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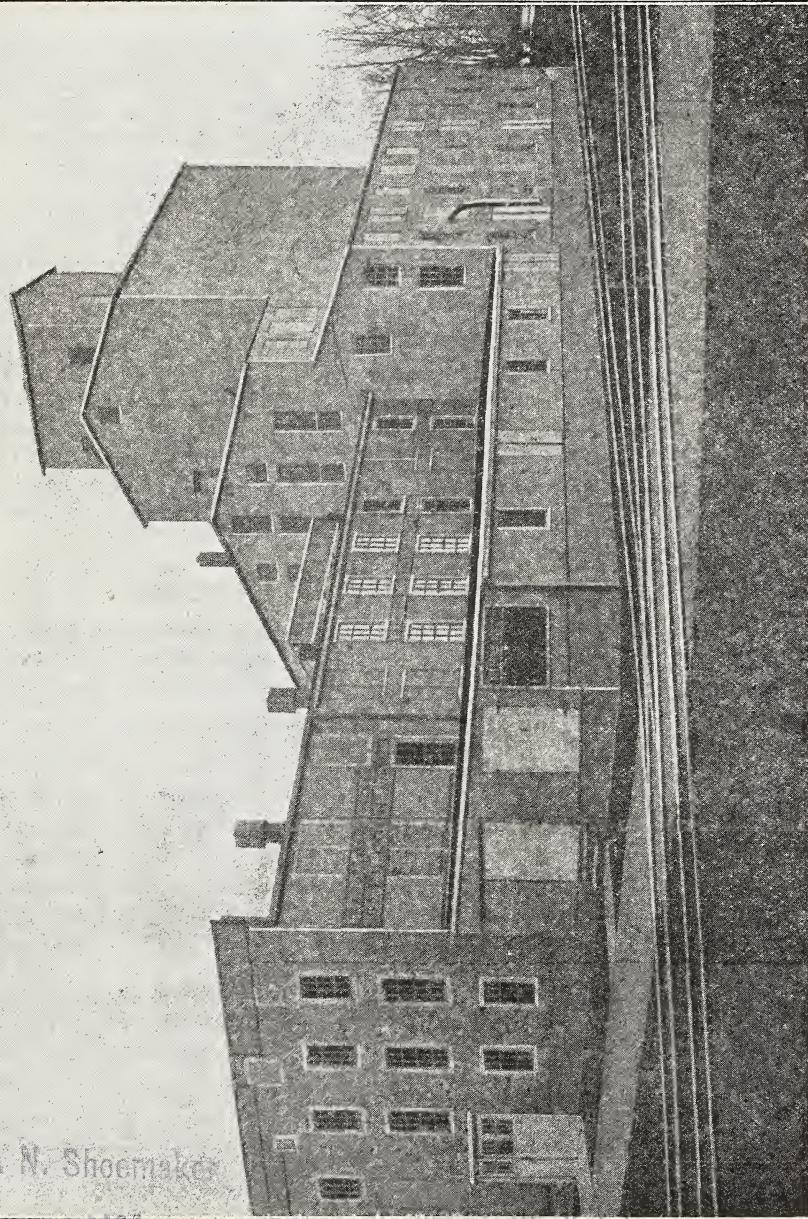


Department of Agriculture

Kelly's 17th Annual Catalog

Everything in seeds for the farm. Garden Seed and Supplies of all kinds for the fruit grower, gardener and poultry raiser

**116-118 South Washington Street, Peoria
and San Jose, Illinois**



This shows one of our seed houses at San Jose, where we grow, dry, prepare, and store our seeds. We have over \$10,000 worth of machinery in this building for cleaning and grading seeds. Storing capacity 100,000 bushels. Almost 100 feet high; 148,000 feet of lumber used.

J. N. Shoemaker

APR 25 1930

Vegetable Seed Trials

To Our Customers and Friends:

At the beginning of our 24th year in the seed business, we want to thank our many customers for their past business. The majority of our customers we never see or know, but want to assure you that we appreciate your business, and would like to meet you face to face.

As we start to write our 17th catalog, we realize it is hard to interest you in the same things on which we have written for 17 years.

Every year there are new developments in the seed business, some of which we try to give you for your benefit.

This year we are adding as little expense in getting out our catalog as possible.

We are not new to the majority of you, but every year we have thousands of new customers. To those who have never planted our seeds, we are very anxious that you do so this year. We want you to feel free to write to us in regard to anything in our catalog which you do not fully understand.

Our Guarantee

Some may have a hesitancy in sending us an order, and sending the money with the order. We want to assure you that you are running no risk by so doing. Any seeds or merchandise which we furnish you, and are not found satisfactory on arrival at your station, we ask you to return the goods, and we will refund your money, paying charges both ways. As to our financial responsibilities, we refer you to Dun & Bradstreet's Rating Agencies, or refer you to the following banks with whom we have done business many years. First Nat'l Bank, Peoria; Commercial Nat'l Bank, Peoria; Merchants & Illinois Nat'l Bank, Peoria; American Nat'l Bank, Lincoln, Illinois; People's Bank at Atlanta, Illinois, or the San Jose State Bank, San Jose, Illinois.

Suggestions for Ordering

Please send your order to us as early as possible. So many wait to send their order until they are ready for the seeds. Hundreds of others do the same thing, and it is impossible for us to take care of all these orders at the same time.

Investments in garden seed orders are very small. Please make these out as soon as you read the catalog, sending us date you want to ship.

On seed corn, we will accept your order with a deposit of 50c per bushel, and hold as late as April 10th. But on clover, alfalfa, wheat, oats, and other farm seeds, we cannot hold longer than 15 days. We have seed coming in at this time, and our orders must go out in order to make room.

If you do not want to order your farm seeds for some time after receiving this catalog, please write us for new prices. All prices are subject to market change. Please use order blank enclosed.

Do not forget to send 35c for good cotton bags for all seeds except seed corn, which we furnish bags free. We furnish bags free on Grim and Dakota No. 12 alfalfa, put up in 30, 60, and 150 pound bags.



Seed Corn

Seed corn is one of our largest single items. We grow around 1000 acres of seed corn for seed at San Jose every year. While this is the most important crop the Illinois farmer grows, it is one in which he is too often careless about what he plants.

MOST FARMERS ARE NOT EQUIPPED TO DRY AND STORE SEED CORN.

Very few farmers are equipped so that they can properly take care or dry seed corn, and one year with another, it will pay them big dividends to buy their seed from some reliable seed house.

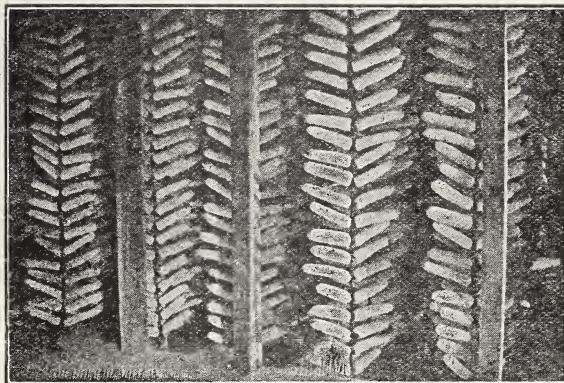
Last spring we sold seed to a man who owns many farms, saying that this year he would have it in the lease that all of his tenants must buy their seed corn from a reliable house. He said he had lost enough several times, by his tenants planting their own corn, to have paid for all their seed corn.

When seed corn costs less than 50c per acre to plant, it makes the smallest cost per acre for seed for any crop the farmer grows.

Let us supply your seed corn this year. If we could have you come to our seed house to see all of the corn, to see how it is dried and taken care of, we would be pretty sure of your order. We would like for you to do this, but for many it is impossible to do so.

We try to show you in this catalog the best we can, some of our buildings, how we dry our corn, and how we prepare the seed.

We have been in the seed business for twenty-four years. In that time we have learned many things in regard to storing and taking care of seed corn, to produce healthy, vigorous plants.



Corn in Old Seed House

Order Seed Corn Early

As soon as you find you are going to need seed corn, please send us your order. We will accept your order any time and hold the corn at our San Jose house, where we are well equipped for storing corn, as late as April 10th. All we ask is a deposit of 50c per bushel at the time you send us your order. Send balance of money when you want the seed corn shipped.

Our prices are always low, compared with the high quality seeds we furnish. Because you find some of our prices much lower than others quoted, we do not want you to get the impression that we handle cheaper and lower grade seeds.

We have built up our business from a very small beginning by furnishing better quality at a little lower price than others.

Our corn is all grown at San Jose where we own all our own buildings, built for the purpose of cleaning, storing, and drying with the least possible expense.

Seeds such as alfalfa, red clover, sweet clover, timothy and other seeds, we buy in car lots direct from the growers in the best producing sections of the United States.

We are able to do this work much cheaper in a small town than in a large city.

We get most of our seeds ready for market at San Jose, and truck them to our Peoria house.

We often have thousands of bushels of seed in the Federal warehouse at Peoria for our business there. We get very low storage rates, also very low insurance rates, costing only 15c per thousand for insurance. The seeds are only stored there to take care of our rush business.

Hybrids and Frost Proof Corn

We are not offering Hybrid corn this year. We have had some experience with Hybrid corn, and while we think it has some possibilities, we would advise the average farmer to leave it alone. In the past years we have seen farmers who produced 50 bushels per acre by planting high priced Hybrid seed corn, whereas, had they planted their own stock, they would have secured a crop of 60 bushels per acre.

As for the frost proof corn, it looks as if a late fall is at the wrong end of the season to try to produce a crop.

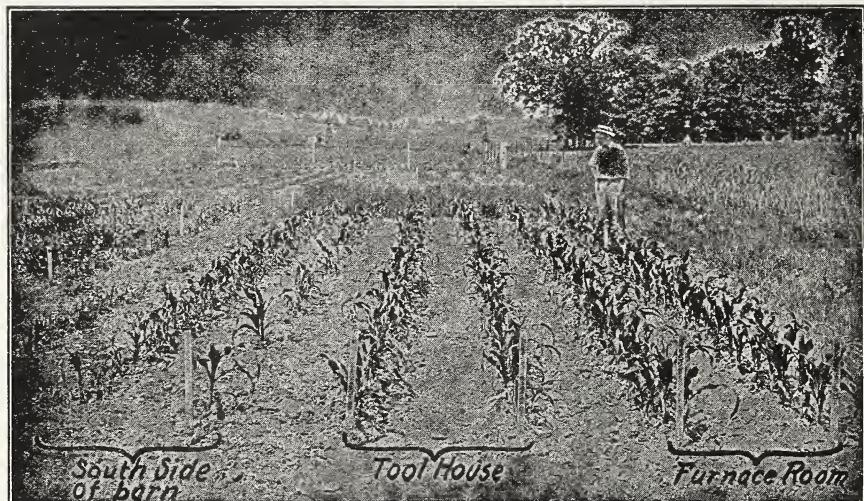
For ten years, we have been trying to produce corn which will mature at the earliest possible date, and still produce a high yield of good sound marketable corn.

While it is true, one corn plant may stand several degrees more of freezing weather, a variation of 10 degrees would be enough to kill even the hardiest strain, and even if not killed, it would add very little to its quantity or quality in the short days of October or November.

Plant Corn Early

If you wish to secure the most bushels and the best quality of seed corn, plant your corn from May 5th, to 10th. If you have a large acreage to put out, start the planter the first day of May, regardless of how cold the weather is, providing your soil is dry and in good condition.

One day's growth the first of May, is equal to five days after the middle of October, when the days are short and the nights are cold.



The same old story. Notice the difference in the early picked fire dried corn.

Winter Storage of Corn

Winter storage of seed corn determines stand and yield. Seed corn to produce the greatest crop, must be well taken care of. Seed corn must have proper ventilation, must be kept dry and not allowed to freeze. Too many farmers think if they get their corn dry in the fall, it will stay dry during the entire season. This is a sad mistake, which often costs many hundreds of dollars.

We have found by experience that corn can be dried down to 13 or 14% moisture, and following a damp wet spell, or during a thaw and foggy weather, this same corn will go back up to 22% moisture.

If this corn gets a hard freeze, which often follows warm foggy weather in winter, it will greatly lessen its vitality, and possibly kill a great per cent of germination.

During the middle of November, 1929, we had quite a lot of wet weather, making most all of the commercial corn go grade 6. Thirty days before, this same corn was grading 4 and 5. You will remember following this damp weather, for three nights the mercury went below zero, and during this time the mercury did not go above freezing.

Zero weather will kill the germination of 50% of No. 6 grade corn. The spring of 1930 will show the effects of these freezes in poor seed corn.

1928 Corn

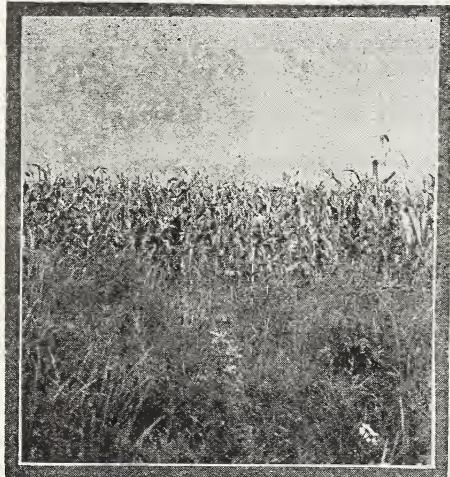
The 1928 crop of corn was the best quality of corn we ever handled in our twenty-four years in the seed business.

We have a few hundred bushels of Reid's utility, Reid's improved, and Krug corn left over from this crop. This corn was well taken care of during the summer, being stored where it had a good circulation of fresh air, kept free from excessive heat and carried at an even temperature.

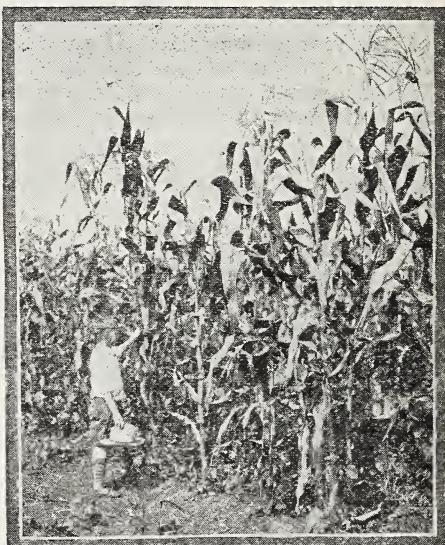
From our experience, corn which is one year old will produce almost as good a stand as new crop, and in some cases will produce a better stand. Some of our best seed corn this year came from corn which was two years old.

We offer you this corn at \$3.75 per bushel, bags free with orders of 2½ bushels or more. We will ship you this corn on 10 days trial, and if it does not germinate satisfactorily, it is to be returned at our expense, and your money will be refunded. This corn was all sacked picked and fire dried.

1000 bushels of Krug corn, not sack picked. \$3.25 per bushel. 1929 crop hand picked corn, same as the majority of seed houses are offering. This corn is from disease free seed, triple graded, and will show germination of 95%. It is from the same stock and breeding as our best sack picked corn. This corn is all fire dried. Special price as long as it lasts, \$3.00 per bushel.



Just the road between these two fields of corn planted same time. Same soil. Difference, one has had no legume crops and difference in seed corn. The good field made over twice as much corn as poor field.

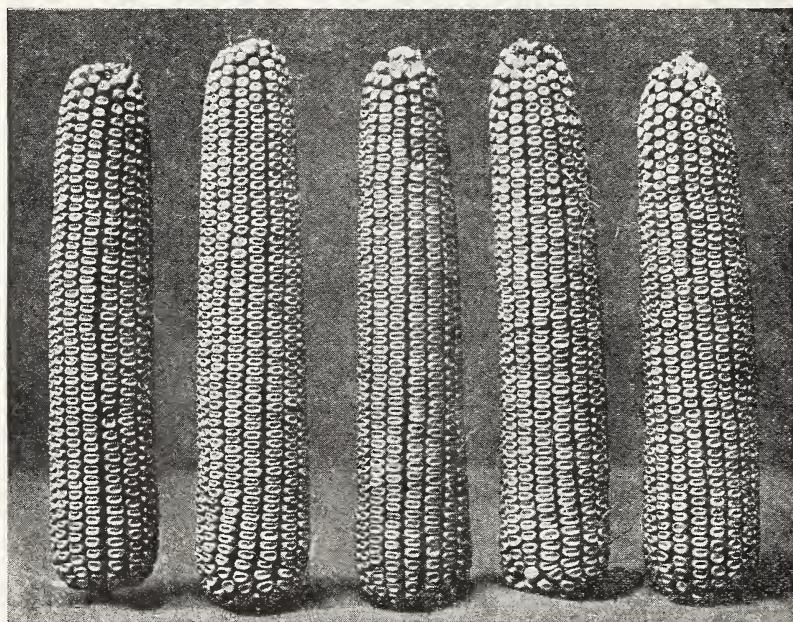


Kelly's Utility

In this type of yellow dent corn, we have a corn which we have grown for eighteen years, and up to this time have not found a variety which will produce more bushels, and a better grade of corn in our section than Kelly's Utility.

We were born and raised on the farm, and have been growing corn all our lives. This corn is the result of our 30 years of work with corn.

It is a smooth, dimple dented corn. Ears, 10 to 12 inches long. Rich, yellow color. Bright and lustrous. Very little soft starch. Has a wonderful root system. Stands up well. Grows to a medium height. Easily husked. Medium early maturing corn.



Kelly's Utility Corn

The same cut as in last year's catalog, but shows the type we grew.

On account of the hard, starchy composition, this corn is not affected by wet weather, and does not heat and get out of condition like soft, starchy corn.

You can plant this corn the first of May, even though the ground is cold and wet. It will lay in the ground three weeks, and then show a good germination. Matures in 110 days.

See prices in back of catalogue for all farm seeds.

Reid's Improved Yellow Dent

This is the largest variety of corn we grow. We recommend this for Central and Southern Illinois, Southern Indiana and Missouri. Ears 10 to 13 inches long. Not rough corn like the old type corn ten years ago, but rather a smooth type corn. Appearance very similar to Kelly's Utility, only a larger type.

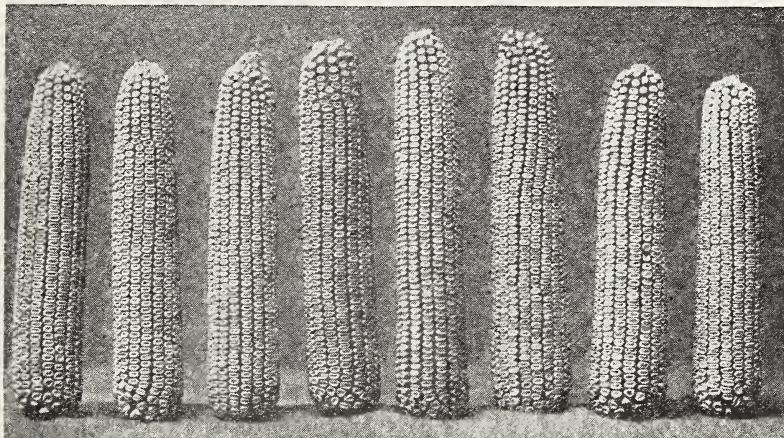
We have farmers who prefer this corn on old ground, as it will produce a larger ear on thin ground than Krug or Kelly's Utility, both of which are smaller varieties of corn.

Produces a large ear which is easily husked.

Will produce more bushels of corn, and better quality than the rough type which is grown in Indiana and Missouri at this time.

If you are growing the old rough deep grain, soft starch corn, we ask you to buy a few bushels of this, and you will be convinced that it is better corn to grow than your rough type.

We do not recommend this variety of corn for planting north of San Jose, as it requires from 115 to 120 days to mature. Prices on back page.



Reid's Improved Yellow Dent

Krug Corn

This is a variety of corn we recommend for growing north of San Jose. It can be planted as far as fifty miles north of Peoria, if planted early in May, and will mature in good condition. There seems to be several types of Krug corn, in fact, the first type we had, which came direct from Woodford County, proved to be a poor variety.

The corn which we offer you now, also came from Woodford County, the home of Krug corn, but it is a very different type of corn from what we first secured ten years ago.

Our Krug corn will outyield any variety of corn we know of in northern sections.

In tests this fall in Stark County, Krug corn outyielded the highest yielding variety of Hybrid corn.

Krug corn not only produces quantity, but the quality will be the best.

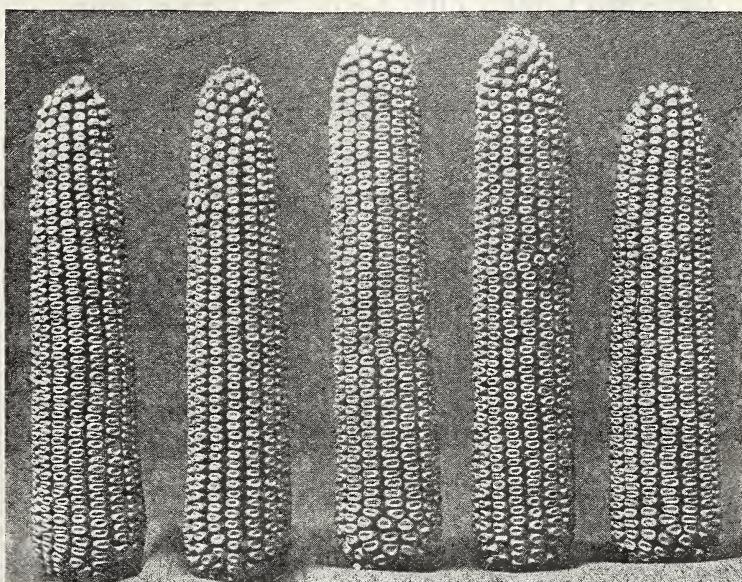
We are in the grain business ourselves, and in handling corn, we find Krug corn will grade No. 4 and 5, when most other varieties go 5 and 6.

The difference in price between 4 grade corn and 6 grade corn, will pay you the cost of your seed several times.

Krug corn does not run true to any type, and you may be disappointed in it until you shell your crop.

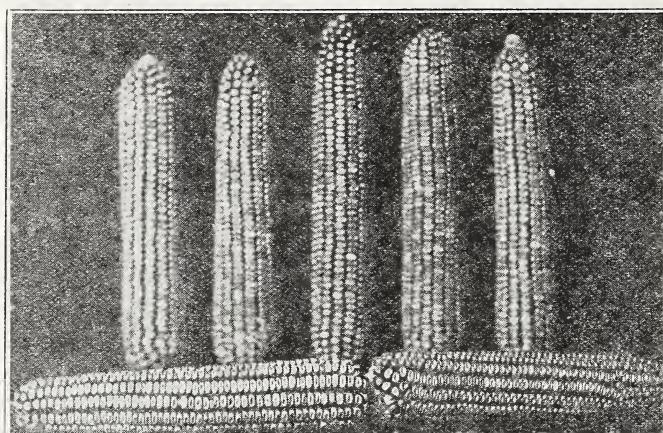
Grains are barreled shape, with opening between each row. Dark yellow color. Ears 9 to 12 inches long. It does not grow a tall stalk, nor an extra heavy foliage.

Krug corn matures under average conditions in 100 days.

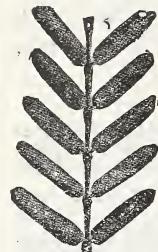


Krug Corn

Leaming Corn



Notice the large grain. Runs mostly 14 rows. Has a very dark yellow color. Rich in oil and a good corn to grow. Early maturing.



How We Dry 4000 Bushels of Our Corn

It is impossible to keep mice from working in crates of ear corn when stored for shipment. We have the corn ready to go, and if it stands in a crate for two weeks, 10% of it will be ruined by mice.

Cost of crates are about 40c, so you see ear corn is a losing proposition for us to handle. We will treat all shelled corn with the new Dubay Semesan Jr. corn disinfectant for 35c per bushel.

Corn may be treated weeks, even months before being planted, with no damage. The extra yield by this treatment will pay the entire cost of the seed.

All Corn Sack Picked

All our corn is sack picked and fire dried on steel hangers and in wire racks, excepting about 1,000 bushels, which we offer for \$3.25 per bushel. All sack picked corn is from disease free seed. All picked in October except one day in November.

We have installed a new grader this year, and the corn will be triple graded, thereby giving you an even size grain for edge drop planters.

Store Shelled Corn In A Dry Place

After you receive seed corn from us, be sure and store in a dry place with a free circulation of air.

Our corn is all tested before it leaves our house, and will show good germination. Do not store seed corn in a damp place, as near a pump or where it can draw moisture. Do not store in a closed room, or in a building where you have concrete floors and no fire. The best place to store seed corn is in a room where it has even heat, plenty of fresh air. Open bags and examine seed as soon as you receive the corn. Pour out about one-half of each bag into another bag. Every 10 days stir corn thoroughly by reversing from one end of the bags to the other.

We want you to understand that our Leaming corn is an early corn.

The old type of Leaming corn was a big late variety.

Our Leaming has a very dark rich yellow color, much darker in color than Krug or Utility.

It does not grow as tall as Reid's yellow dent, but has a heavy foliage.

It is high in protein content, but not hard and flinty.

The best feeding corn we grow. Ears 9 to 12 inches long, matures in 105 days.

Kelly's Big 90 Day Dent

This is an early, yellow dent corn that we have been growing for about 15 years. Many varieties of early corn produce a very small ear. This corn produces a medium size ear, even making as much as 65 bu. per acre, and this year we had one grower who produced over 70 bu. of this corn per acre.

Medium depth grain. Ear 8 to 10 inches long. Small cob.

Under favorable conditions it will mature in 90 days, but we do not recommend it as an extra early variety of corn.

We would not recommend planting the entire crop of corn of this early variety, but would plant twenty to forty acres.

Ear Corn Crated, Fifty Cents Per Bushel More

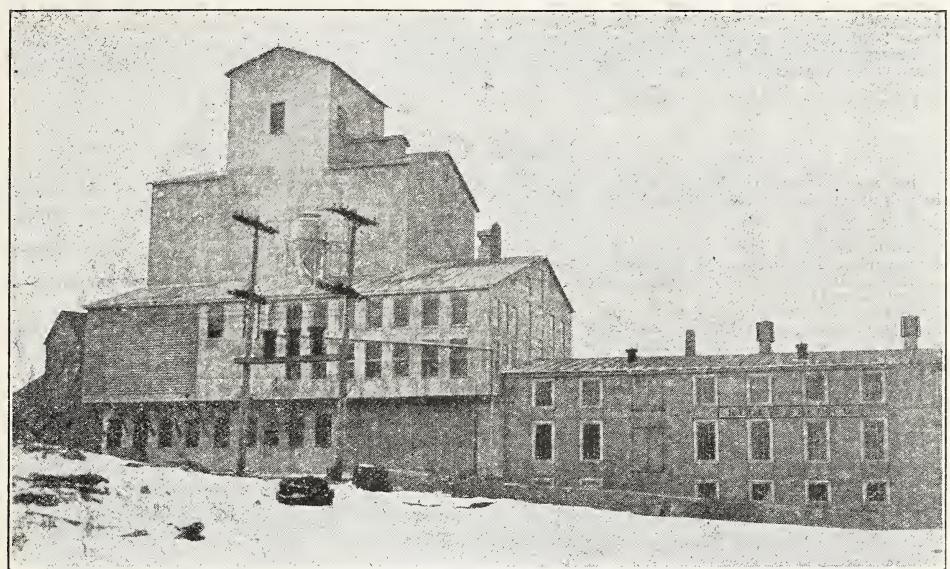
While we do not consider ear corn any better to grow than the shell corn, (in fact it will not show as good a germination on account of not being able to detect bad grains when shelling,) but the expense of handling ear corn is much greater than that of shell corn.

It is impossible to keep mice from working in crates of ear corn when stored for shipment. We have the corn ready to go, and if it stands in a crate for two weeks, 10% of it will be ruined by mice.

Cost of crates are about 40c, so you see ear corn is a losing proposition for us to handle. We will treat all shelled corn with the new Dubay Semesan Jr. corn disinfectant for 35c per bushel.

Corn may be treated weeks, even months before being planted, with no damage.

The extra yield by this treatment will pay the entire cost of the seed.



East View of New Seed House. Notice picking rooms on second and third floors. Here is where corn is examined, every ear by two men before shelling.

Legumes

With every crop removed from your soil, the need for replacement of this material by a leguminous crops becomes necessary.

It is just as necessary to put something back into the soil, as it is to replenish your bank account.

Clovers

Red Clover

Red clover has rightly been called the cornerstone of agriculture.

For the majority of soils in this section, red clover is the best adapted legume crop.

It is a biennial plant, living two years, especially adapted for crop rotation.

While it does much better on sweet soil, it is not so exacting in this respect as alfalfa and sweet clover.

Red clover will grow on sour soil, but we would advise sowing Alsike, if your soil shows acid or is sour.

The past year there has been a very good crop of clover seed all over the United States, most of it being very good quality.

This spring there should be the largest acreage of red clover sowed, that has been put out for many a year. There is plenty of good seed, and the price is comparatively low.

We have home grown seed, also some very fine Minnesota grown red clover. We consider the Minnesota grown clover the best clover you can sow, even preferring it to the home grown seed.

We have sown Minnesota grown clover seed for many years with good results.

For prices, see price lists page 31.

Be sure to inoculate clover seed with McQueen's or Kelly's Inoculation.

Mammoth clover, red clover and Alsike all should be inoculated for best results.



Inoculate Red Clover, Sweet Clover, Alfalfa, Soy Beans and Cow Peas

We are glad to see many farmers are inoculating more every year. This is very essential and absolutely necessary on many soils to get any results. You not only increase the nitrogen content of your soil but increase the protein content of your hay as much as 20% by inoculation, and

protein is the highest priced food element you buy. You can increase the food value of hay by inoculation so much that 1500 lbs. of hay from a well inoculated field contains more food value than 2000 lbs. of hay from a field which has no Bacteria.

Inoculation for an acre of clover costs less than 10c but is worth 50 times this much to you. All clovers need inoculation. Many think it is only necessary to inoculate sweet clover but it is just as essential to inoculate red, alsike and mammoth.

Be sure to inoculate with Kelly's or McQueen's Inoculation.

Alsike Clover

We were fortunate this year in securing a good supply of Northern grown Alsike, and expect to sell it at about one-half the price we had to charge last year.

With Alsike clover selling at \$12.00 to \$14.00 per bushel, the cost will not exceed \$1.00 per acre for seed.

Alsike clover is very hardy, and is much easier to get a stand than either sweet or red clover. It can be sown in the spring, same as red clover.

Alsike clover is not a biennial plant like red clover, but will live four or five years, and will reseed several years.

In this respect it is much like the small White Dutch clover which you see in the lawns and pastures some years. If the season is just right the small White Dutch clover will come up where it has not been sown for twenty years, in fact we have seen this come up in pastures where we never knew of it being sown, much like Pursley.

For best results inoculate with McQueen's dry coat inoculation.

For prices see page 31.

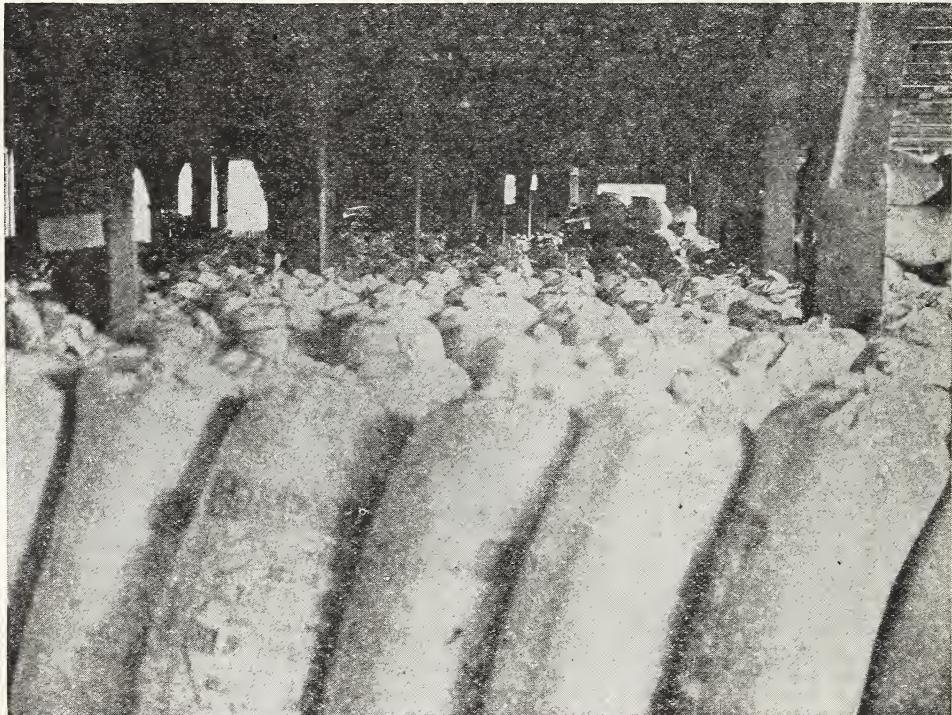
Mammoth Clover

Mammoth clover is a soil builder, and not a hay or pasture clover.

It only makes one crop, and after producing seed dies. Makes an abundant growth, has a wonderful root system, and adds much humus for plowing under.

If you want a clover to use as a fertilizer, and plow under the next summer, Mammoth is the variety you want to use.

For best results be sure to inoculate with McQueen's dry coat inoculation.



11,000 Bushels Of Seed Ready To Ship

This cut shows 11,000 bushels of one kind of seed stored in bags, ready for shipment.

This year we have our new seed elevator completed, which has twenty-four bins in which we store most of our seed grains, instead of storing it in bags which we have done in the past. This saves considerable expense in handling, also is quite a saving on bags, which are often ruined by mice and rats when stocked up this way.

Sweet Clover

Without doubt where sweet clover will grow, it is the best legume to grow, and also the most economical.

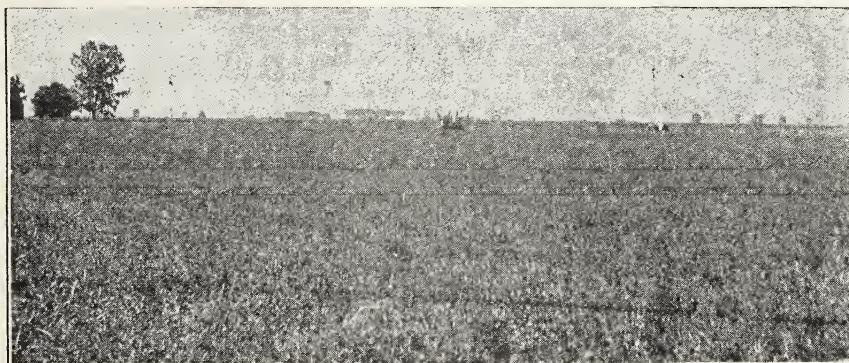
We have four different varieties of sweet clover.

First and best is the Big White Biennial. This makes the largest top growth, also has the heaviest root system of all clovers.

It has become harder and harder to get, as the Dwarf or Grundy County produces much more seed than the Big White. The growers in the Northern states produces most of the sweet clover, all are growing Grundy County, because it produces more seed and it is easy to harvest and thresh. It is not nearly so good for any purpose as the Big White Biennial. With the extremely low price of sweet clover this year, all soils which will grow it should be seeded.

Sweet clover should be sown early in the season, even scarified seed should be gotten in the ground as early in the spring as the ground is fit to work. Prices on page 31.

It is very essential that sweet clover seed be inoculated. Inoculate with McQueen's dry coat or Kelly's inoculation.



A Field of Sweet Clover

Yellow Blossom Sweet Clover

This variety is very similar to the Big White, only it does not make as large a top growth, nor does it have as large a root system. It is very hardy, and more adapted for growing for honey bees than the Big White.

Plow sweet clover late in the fall or early in the spring. Sweet clover should not be more than three or four inches high when plowed under. The big top growth which sweet clover makes in the spring and left stand until May first, only transfers the food from the roots to the top, when it should be left in the ground for the corn plant to use.

The best time to plow under sweet clover is in late November or December, providing of course the weather will allow.

Grundy County Or Crystal Dwarf

This variety originated in Grundy County, Illinois several years ago. Today it is grown all over the United States, in fact it has become harder to get the Big White Blossom, the majority of growers preferring the Grundy County variety.

We do not recommend this variety for any purpose. As a fertilizer it does not produce the top growth or root system that the Big White Blossom does. Neither is it of equal value for pasture.

Grundy County is a small early variety, which matures early in the season and dies, thereby leaving you without pasture during the months of August and September when most needed.

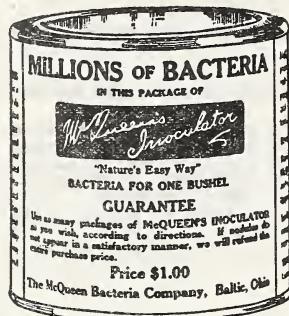
Hubam Sweet Clover

An annual sweet clover, which makes its entire growth in one season, can be planted late March or early April. A product of Professor Hughes, of the Iowa Agricultural College.

In some cases, a crop of wheat or oats can be harvested, and a seed crop of Hubam can be cut, the same year. It makes a very heavy growth, even growing to four or five feet high, but does not grow as tall as the Big White Blossom. One of the best sweet clovers for the production of honey. Sow around ten pounds per acre in order to get a good stand.

Be sure to inoculate with McQueen's dust dry coat inoculation.

Do not pasture or cut for hay late in the fall. Many a good stand of red clover, alfalfa and sweet clover is ruined by pasturing late in the fall, or cutting the hay crop off. It does look wasteful to leave a good crop of fall hay, but unless you can cut the hay by the middle of September, and cutting high at that, you will lose more than the cost of the hay you cut.



Inoculation Is Essential For Good Results

We want you to realize that you can not grow legume crops successfully without inoculation. This has been proven time after time, so why take a chance by sowing seed without inoculating.

By inoculation you not only increase the quantity of your crop, but the quality can be increased as much as 20% by inoculation.

It has been proven that alfalfa from seed which was thoroughly inoculated, contained 20% more protein than where the seed was not inoculated. Protein is the highest price food element the farmer has to buy. This is why he buys tankage, oil meal, cotton seed meal, and soy bean meal, because of the oily protein content.

How foolish it is to try to grow legumes without inoculating, when you get so much better results by inoculation.

When you inoculate your soil, you put new life into it, as the bacteria is the life of the soil. One bushel size of McQueen's dry coat inoculation contains something like 3,000,000 bacteria.

McQueen's new dry coat inoculator comes in powder form, to be used just as it comes from the can, simply pouring on the dry seed, stirring thoroughly either in your seed boxes or on a tight floor. This new dry coat method does away with all moisture.

This inoculator contains a chemical which makes the dust in which the small bacteria live, stick very tightly to the seed.

We have sold several kinds of inoculation in the past 10 years, but find McQueen's new dry coat being the best on the market. While it costs more than others, it is much easier to handle, and better results are obtained for the little extra cost.

The yield of soy beans has been increased as much as 20% by inoculation.

Dr. O. H. Sears, head of the Biology Department, University of Illinois, says that in order to feed your crop plants, it is desirable and even necessary to feed the soil, the germs first.

The legume has but very little power to add nitrogen to the soil itself, but when inoculated, these little bacteria get nitrogen from the air, and store it in little nodules the roots of the plants. The plant uses this food to grow, and these bacteria gather nitrogen from the air, and convert it into nitrates on which the plant lives. The plant changes the nitrates into protein, on which animal life exists, so you can plainly see these little germs are supplying food which is absolutely necessary for the life of man or beast.

NEW REDUCED PRICES

		Soy Beans, and Cow Peas
—½ bushel size.....	\$0.50	—1 bushel size..... \$0.50
—1 bushel size.....	.85	—2 bushel size..... .85
—2½ bushel size.....	1.75	—5 bushel size..... 1.75
Garden size, peas and beans.....	.20	—10 bushel size..... 2.50

Postage Prepaid

Write for prices on bulk inoculator for large lots.

See page 59 for facts on inoculation

Order Inoculation with Seed

We can place it in bag of seed, or send it by parcel post prepaid. You must state what kind of seed you wish inoculated. McQueen's is the easiest to use. Instructions in every can. Note prices are postage paid.



Kelly's Inoculator

We have some demand for a lower priced inoculator, some preferring the pure culture method of inoculation.

We can furnish you this kind of inoculation under our own label, which we personally guarantee at the following prices:

One bushel size for red clover, Alsike, Mammoth, alfalfa, and sweet clover, 50c; one-half bushel size, 30c. Sent by parcel post or with seed.

We guarantee McQueen's and Kelly's Inoculation. You run no risk in buying either of these inoculators. Every can or bottle is guaranteed to produce nodules on roots of legumes. Use as many cans as you like. If it does not do this we will refund your money.

Alfalfa

The Wonder Crop

McQueen's
Inoculator

It pays 150 per cent profit. Three acres of corn and one of alfalfa makes more beef than four acres of corn, and builds up one-fourth of your acreage at the same time.

Grow your own protein in Alfalfa. The chart at the right shows Alfalfa hay contains as much digestible protein as a ton of wheat bran. You can easily grow 3½ tons of Alfalfa hay to an acre which figures at the price of pure bran \$30.00 per ton, making an income of over \$100.00 per acre.

Alfalfa is the most palatable hay you can grow. A cow will eat more of this than any other legume, and also every other animal and fowl on the farm will eat Alfalfa hay and thrive on it.

There are 222 lbs. of digestible protein in a ton of Alfalfa hay from inoculated seed while only 142 lbs. of protein in a ton of Red Clover hay which has been inoculated.

Dairymen who do not grow Alfalfa hay, do not make the profit they should.

Alfalfa hay and corn make a balanced ration. Corn produces fat and Alfalfa produces bone and muscle, the frame work of the body.

Lime your soil if needed, buy good clean northern grown seed which is adapted to your section, inoculate your seed and you will have no trouble in growing Alfalfa successfully.

Cut when about one-fourth in bloom. Do not cut or pasture late in fall.

Don't be without Alfalfa hay another year. Get busy right away and lime. Then sow alfalfa next fall. If your soil is sweet, sow alfalfa this spring. There is no other feed which equals alfalfa hay.

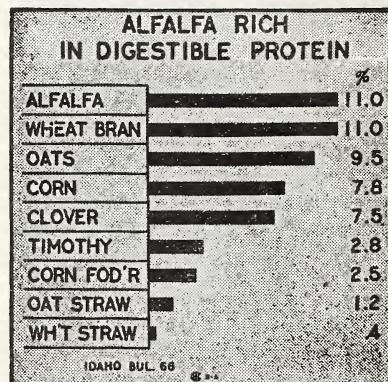
There Are Many Different Varieties of Alfalfa

We are interested in only a few. These are: Black Hill, Dakota, No. 12, Grimm, Cossack, and other hardy Northwestern strains.

The alfalfa seed crop last year was very poor, but this year the crop is much better and the price is lower.



This shows the root system of Grimm alfalfa. A three-year old plant, grown by Ed. Stansbury, near San Jose. 194 stalks of hay growing from one plant.



We recommend Black Hill, Dakota, No. 12, as the best variety for the average farmer to plant. The past two years we were able to get but little of this, but this year we have a fairly good stock on hand.

Dakota, No. 12 is not only one of the hardiest varieties, but will produce more hay than any variety.

We do not think it is as hardy as genuine Grimm, but under average conditions gives the best results.

Our Dakota No. 12 was bought direct from the growers in the Black Hills.

This seed has been double cleaned, and we offer it to you this year in sealed bags, containing 30, 60, and 150 pounds.

After the seed is re-cleaned twice, we sack the best grades of it in these bags, sealing them with a lead seal.

All the alfalfa you buy from us, which has been re-cleaned and sealed by us, will be the very best that can be obtained.

We are sealing Dakota, No. 12, and Grimm in bags to make sure that you get the genuine article.

Be sure to inoculate with McQueen's dry coat inoculator.

Certified Grimm Alfalfa

The best variety to sow on fields you expect to leave stand for a long time. It is a different plant from the common. Grows closer to the ground, has a branching root system. Grimm does not winter kill, the great branching root system seems to hold it firmly to the ground, and furnishes sufficient plant food to produce a heavy crop.

A single plant will often produce 150 to 200 stalks of hay. We have both Montana and Dakota grown Grimm.

Price some lower than former years.

Grimm seed usually retails \$25.00 to \$28.00 per bushel. This year around \$24.00, sealed bags. For prices see page 63.

Cossack Alfalfa

This variety was originated in southern Russia and was discovered by the agricultural authorities of Russia. Prof. Hanson, of the South Dakota Agricultural College, brought some of the seed to this country where it has proven to be exceptionally hardy. Sells at about same price of Grimm.

For prices see page 63.

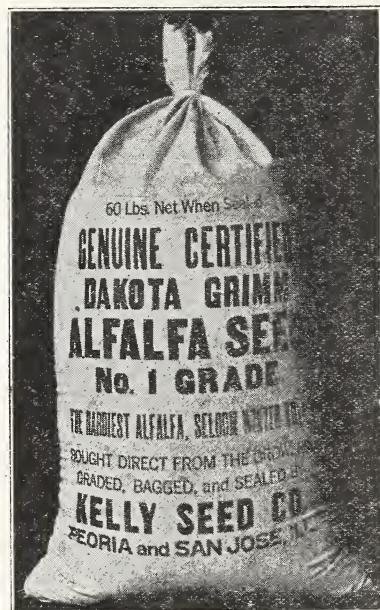
Best Time to Sow Alfalfa

A good time to sow Alfalfa is after the frost is out of the ground, about April 1st, on wheat ground or with barley or oats as a nurse crop.

If sown on wheat ground run over with rotary hoe once or twice, sow seed, then run over again later, or put it in with a disc grass drill.

If with oats or barley put in this crop, harrowing down level. Sow Alfalfa seed and run over lightly with rotary hoe or corrugated roller.

The best time to sow Alfalfa is about August first. Plow ground early in April, work every week or ten days to keep down the weeds and conserve moisture. Sow about August, first with drill or work in with rotary hoe. Do not work too deep or you will never see it again. Half inch is sufficient. Put lime on at least 3 months before sowing.



This shows how we pack our No. 1 grade of Montana grown, registered alfalfa, Dakota and Montana grown certified alfalfa, and Black Hill No. 12. This seed is all double cleaned, selected from the very best lots, and sealed by us for your protection. Packed in 30, 60 and 150 pound bags. We make no charge for bags sealed with these grades.

Hardy Northwestern Alfalfa

A variety of alfalfa we sell more of than anything else, on account of it giving good results, and being much cheaper in price.

We have some of this which was grown in Montana, some in the Dakotas, and some from Utah. For prices see page 63.

Be sure to inoculate with McQueen's new dry coat inoculator.

Results of Inoculation

We will give you one result of inoculation from the Illinois Agricultural College.

Yields of alfalfa from a field which was not inoculated, produced .97 tons of hay per acre, compared with a field which was thoroughly inoculated, and produced 1.81.

You will note the inoculation in this case, almost doubled the yield besides adding much more protein.

It looks like poor business sense to pay \$15.00 for a bushel of alfalfa seed, and then for the cost of 75c worth of inoculation, lose these benefits by not inoculating.

New reduced prices on McQueen's dry coat inoculator on page 12.

Amount of Alfalfa Seed to Sow

This depends greatly on kind of soil. On rich, black swamp soil a good stand of Alfalfa can be grown with 8 lbs. per acre. On average soil, 10 to 15 lbs. per acre. On thin or clay soil, we would recommend 15 to 20 lbs. per acre. It does not pay to skimp on seed.

Clover Mixture

Our Greatest Bargain

We have sold this mixture for many years with gratifying results. We have found by experience that in sowing this mixture you will get a better stand and produce a better crop than any one clover separately.

Some parts of a field are sweet and will grow Sweet Clover, some are sour and Alsike will grow best, and Red Clover will do well on most of the field.

You will notice we have left out the Alfalfa seed this year. The price is too high compared with Sweet Clover which will grow anywhere Alfalfa will grow.

Have you ever noticed how thick a weed patch grows, some weeds growing better on one place than another?

Alsike grows close to the ground, Red Clover a little higher and Sweet Clover above them all, making a three story crop.

While we use good seed in our mixtures we can sell them at a lower price on account of being able to buy mixed seed cheaper. Sometimes Red Clover with a little Alfalfa or Sweet Clover with Red and Alsike. We analyze the amount of each and mix accordingly.

We figure this mixture at 60 pounds to the bushel and recommend 8 pounds to an acre. Mixture consists of 20 lbs. red clover; Alsike, 15 lbs.; Sweet Clover, 25 lbs.; total, 60 lbs. Approximate price \$8.50 per bushel subject to market changes. See page 63.



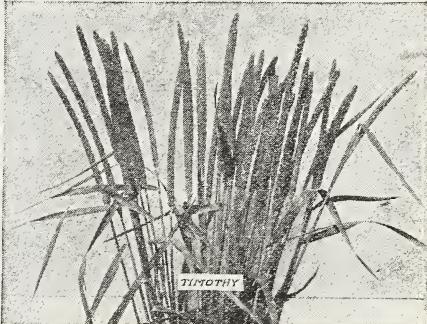
Pasture Mixture

Many times during a season we have customers wanting to know what to sow to make good pasture. We have figured the following to be the best mixture to sow, some of which will stand dry, hot weather, some better with real wet. Some better on some soil and some on another. Seven pounds red clover, 7 pounds alsike, 10 pounds sweet clover, 20 pounds timothy, 4 pounds red top, 2 pounds blue grass. Sow thick for best results. About 8 pounds per acre on average soil. For actual prices see page 31. Approximate price will be \$6.00 per bushel of 50 lbs.

Timothy

The standard hay of commerce. In order to get a meadow or pasture started it is necessary to use some timothy. If you sow with clover seed a sprinkling of two quarts per acre, this will hold the clover from lodging and also from falling down and moulding. When the clover is plowed the timothy roots keep the soil from running together and getting hard.

At the present low price it is well to sow a good acreage of timothy. For prices see page 31. Approximate price \$2.50 to \$3.50 per bushel.



Kentucky Blue Grass

We are the largest buyers of Kentucky Blue Grass in Central Illinois, buying our seed direct from the cleaners in Kentucky and Missouri. We do not buy light, chaffy seed. Most of our seed weighs 21 lbs. to the bushel while the regular weight of one bushel of Blue Grass is 14 lbs. Light chaff and hulls so often received in Blue Grass is of no value whatever, but used by many concerns as a filler. Prices: Single lb. 40c; 5 lbs. or more, 35c; 10 lbs. or more, \$3.20; 100 lbs. or more, \$25.00. Special prices quoted on large quantities.

Red Top

Red Top belongs to the Blue Grass family. Will grow on the poorest soil and it is said red top is the last thing grown before soil is abandoned. Southern Illinois, in the Hard Pan section, red top is grown profitably. Red Top makes a good pasture, and a fine mixture with blue grass for a lawn. When blue grass dries and burns up, red top stays green and thrives.

Red Top will also grow in shady places where other grasses will not grow. Red Top is much lower in price and should be sown in all pasture mixtures this year. Solid seed 25c per lb.; 5 lbs. \$1.20; 50 lbs. \$10.00; 100 lbs. \$18.50. Special prices in larger lots.

White Dutch Clover

This is the little white blossom clover you see growing in your lawns and pastures. We get this seed mostly from Wisconsin where it grows year after year without having to be reseeded. Price: 45c per lb. 5 lbs. \$2.10; 50 lbs. or more, 40c per lb.



Grass Seeders

Cyclone Seeder

A small double feed seeder which insures a uniform flow of seed at all times. Triple gears, adjustable take-up of wear of gears. Price, \$2.00 each.

Horn Seeder

This horn seeder has sectional tube with brass seed gauge. A low priced seeder which does effective work, sowing from 15 to 20 feet wide. Forty acres a day can be sown with one of these seeders. Not affected by wind conditions as much as some other seeders. Adjustable, sowing any amount. Price, 90c. With seed or sent parcel post.

Kelly's Stay Green Lawn Grass

There is nothing which adds more to the beauty of the home than a nice velvety lawn. There are many lawn mixtures on the market, some of which are almost worthless, being made of screenings and cheap grasses.



We mix our own lawn grasses from the best grades of seeds. We buy these seeds in car lots, making a mixture which is low in price as any, considering the quality of seed used.

This year blue grass is much cheaper than last year. Blue grass is the foundation of all good lawn mixtures, so we are able to reduce the prices.

Our Stay Green lawn mixture contains Kentucky Blue grass, Red Top, German bent grass, and other grasses.

Prices: Less than 10 lbs., 40c per lb.; 10 to 50 lbs., 35c per lb.; 100 lbs. or more 30c per lb.

How to Have a Good Lawn

The best time to start a permanent lawn is in the fall. About July 1st, spade or plow the soil eight or nine inches deep, working down to a fine condition, removing all the stones and other foreign material. Work the top soil every ten days, killing out the weeds before planting. Be sure to have soil in good condition before seeding. If soil is very sour add lime, if you expect to grow clover in your mixture. We prefer to start a lawn with narrow leaved grasses such as blue grass, red top and others.

These grasses do much better on acid soil, and your lawn will always be much freer of weeds. Sow August 15th.

Roll down solid before seeding. Sow KELLY'S STAY GREEN Lawn Grass, one pound to 400 square feet, which is at the rate of 108 lbs. per acre. Rake or harrow in to a depth of $\frac{1}{2}$ an inch, then roll again. By seeding in the fall frost kills all weeds which saves weeding, and grass will have a start for next summer's sun.

You must have a soil high in nitrogen to grow a good lawn, so about the first of October give this a top dressing of sulphate of ammonia which contains more than 20 per cent nitrogen, using 1 lb. to 250 square feet.

We also recommend Swift's Vigoro (which is a condensed plant food high in nitrogen) to be applied at the rate of $2\frac{1}{2}$ lbs. to 250 square feet.

To Reseed An Old Lawn

If you have a fair stand of grass and want to thicken, we prefer to reseed in the spring, early if you do not have a sprinkling system, sowing around March 20th at the rate of one pound to 500 square feet.

As soon as the soil is dry enough to permit, roll with a heavy roller. It is well to roll a lawn often to keep level and soil packed.

About May 1st top dress with Sulphate of Ammonia at the rate of 1 lb. to 250 feet, or use Vigoro at the rate of $2\frac{1}{2}$ lbs. per 250 square feet.

Always apply when grass is dry, wetting down with enough water to wash all crystals off the blades of grass, to prevent burning. Never apply lime or wood ashes if you want to eliminate weeds. To have a beautiful lawn it is necessary to apply large quantities of nitrogen, which should be applied every year, early in the season, soon as grass has a good start.

A lawn should be reseeded every two years.

Shady Place Grass

This mixture is mixed especially for shady lawn and spots where it is difficult to get a permanent growth of velvety grass. For such purposes use our shady place mixture. Some grasses do much better in the shade than others, and in this mixture we have used grasses best adapted for this purpose.

Price per lb., 40c; 5 lbs., \$1.85; 10 to 50 lbs. per lb., 35c; 100 lbs. or more, \$30.00.





Dwarf Essex Rape

Last fall we imported a carload of very fine Rape Seed which we bought in Holland at the bottom price of the season. This is genuine Dwarf Essex Rape. It was on the ocean 6 weeks so you see freighters are not so fast. It came into New Orleans by boat and then by Illinois Central to Peoria. In two or three years more when the deep waterway is completed we can have it shipped all the way by water to within four blocks of our Peoria store.

Rape makes a wonderful crop and a good cheap hog pasture, also good for sheep.

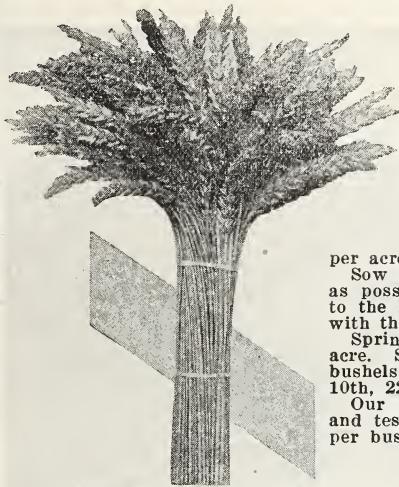
Many sow rape at last cultivation of corn and have a cheap fall pasture for hogs until freezing weather.

Sow 12 to 15 pounds per acre for pasture. With corn, sow 10 lbs. per acre.

Price: Small lots, 10c per lb.; 50 to 100 lbs., 8½c per lb.; 225 lbs. (full bag), 7½c per lb.

Dwarf Essex Rape makes good feed for sheep

Photo: A black and white photograph showing a dense field of Dwarf Essex Rape plants growing in a hilly, rocky terrain.



Illinois No. 1 Spring Wheat

Oderbrucker 6-row, the old reliable variety, is the one which is used mostly in this section. Barley is fast becoming a regular crop in Illinois. Pays much better than oats, just as easy to grow and makes the best nurse crop of any grain. Does best when planted early. Sow 1½ bushels per acre. See page 63 for prices. Approximate price, 80c per bushel.

Wisconsin Pedigreed

This, as the name implies, is a Wisconsin Product, produced by Prof. Moore, of the Wisconsin Agricultural College. The result of 12 years experiment breeding for seed. High yielder with very stiff straw, plump grain and very hardy. Our stock of barley is limited and advise ordering early. Last year we sold as much as a car load to a single order. Price: 90c per bushel, subject to market changes.

Velvet Barley

A new barley which has beards but no barbs. Not as bad to handle as bearded wheat. Very hardy, originated at Minnesota Agricultural College. Yields as well as any other variety. Seed came from originator and bought by us in Minnesota. Price, small lots, \$1.10 per bushel; 25 to 50 bushels, \$1.00, above 50 bushels. Price 90c per bushel. Bags holding two bushels, charged at 10c each.

Illinois No. 1 and Marquis Wheat

These are the two best varieties of spring wheat which produce the largest yields and best quality. Last year we sold thousands of bushels of spring wheat and could have sold much more could we have secured seed in time to do so. Do not wait until you want to sow before ordering your spring wheat. About the time you get ready everyone else does and some cannot get seed.

We had one customer last year who raised 38 bushels per acre of Marquis wheat.

Sow spring wheat the first of February or thereafter as soon as possible. You will notice from the sowing dates, according to the Illinois Agricultural College, that the yields vary greatly with the time sown.

Spring Wheat sown the 6th of March yielded 29 bushels per acre. Same variety sown March 16th, 10 days later, yielded 27 bushels per acre; sown March 29th, 23 bushels per acre; April 10th, 22 bushels per acre.

Our stock of spring wheat is all Illinois grown, recleaned and tests above 60 lbs. to bushel. Prices will be around \$1.75 per bushel. See page 63 for exact prices.

Oderbucker Barley



Velvet Barley

Seed Oats

We have about 15,000 bushel of good oats, which we secured from the best fields at harvest time.

Iowar Oats

We find this oats to be the best all around of any variety. A white oat, discovered by the Iowa Agricultural College several years ago. Medium early maturing. Stands up well. Produces a fair amount of straw.

Approximate price 65c per bu. in small lots; 50 bu. or more, 60c per bu. Special prices on large quantities or car lots.

Small lots shipped in bags holding four bushel. We charge 15c each for these bags. Iowa 103, some prices. All F. O. B. San Jose.

Hulless Oats

The best kind to grow for feed. Grows a big plump grain without any hull. There is very little feeding value in oat hulls. Will produce more pounds than hull oats. Great for hogs or chickens. Sow 60 lbs. to the acre. Price, 5c per lb. in small lots; 100 to 500 lbs. 4½c per lb.

Sudan Grass

Great for hay and pasture. A great emergency crop, producing big crop of hay, or pasture in six weeks that will last until frost. Make a much better quality of hay than Millet. Belongs to the sorghum family. A very rich feed. Will make two crops of hay if planted early and cut before it grows too coarse.

Do not plant Sudan Grass seed before May 15, sowing 12 to 15 lbs. per acre. Price of cleaned seed, free from Johnson grass: Small lots, 10c per lb.; 25 to 100 lbs., 8c; 100 to 500 lbs., 7½c. Bags 15c, or send bags.

German Millet

Often called the Golden Millet on account of color. the best variety of Millet to sow. Grows tall, stiff stem with broad, green leaves. Not as early as the common but produces more hay and seed. Millet will make a hay crop in 50 days and seed in 65 days. Sow 20 to 25 lbs. per acre. Approximate price \$2.00 per bushel.



Sudan Grass

Alsike and Timothy Mixture

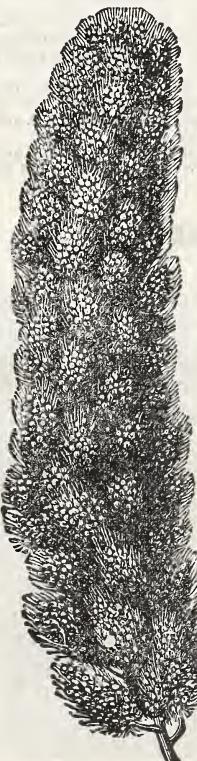
These two often grow together and as it is impossible to separate them we have to sell them as a mixture. We usually buy this seed at a low price on account of the mixture and sell it the same way. It is a good mixture and makes the best hay. Both mature at the same time which is quite important.

Alsike is very hardy and grows on most any kind of soil, stands lots of tramping such as grasses in pastures often get.

We reclean this seed and offer it at a price that will pay you well to buy. We sell 50 lbs. to the bushel. Sow 5 lbs. per acre. Prices on this mixture are subject to market changes.

Prices: 50 per cent alsike and 50 per cent timothy, \$7.25 per bushel; 25 per cent alsike and 75 per cent timothy, one of the best mixtures for hay, \$5.75 per bushel.

German Millet



Cow Peas

Cow Peas to sandy soil is like food to a starving man. By growing Cow Peas on sand, 25 bushels of wheat per acre can be produced where without the Cow Peas the yield would not be over 12 to 15 bushels per acre.

Cow Peas like Soy Beans should always be inoculated. Cost of inoculation for Soy Beans and Cow Peas cost very little. See page 31 for prices and description.

We are near the greatest Cow Pea section in the United States, that of the western part of Mason County where Cow Peas grow on Blow sand where other vegetation will not grow. The best quality of seed is always produced from real sandy soil.

We buy direct from the grower and truck them to our San Jose plant where they are cleaned and graded ready for market. There are very few pure strain peas offered as the farmers claim the mixed do the best.

Cow Peas should be planted early, from $1\frac{1}{4}$ to $1\frac{1}{2}$ bushels per acre. Mixed peas mostly Whippoorwill, New Era, Red Ripper and Clay. Always inoculate with McQueen's or Kelly's inoculator. See page 31 for prices.

Silver Hull Buckwheat

For the latest profitable crop plant Buckwheat. Buckwheat will mature in 60 days and for this reason it may be planted after wheat is cut or on low lands where crop cannot be put in before this date.

Last year we sold many hundreds of bushels of Buckwheat which was planted on low lands where too late to put in corn. Buckwheat can be planted just the same as wheat, sowing about a bushel per acre.

The best time to sow Buckwheat in Illinois is about July 1st. An average crop around 18 bushels per acre; 50 lbs. to the bushel.

There are two varieties grown in this section—the Japanese, most of which is grown in the extreme north and the Silver Hull which is the best adapted here.

Silver Hull has a rather small grain, light gray in color, very productive, and makes high grade flour. Price: \$2.25 per bushel; 10 bushels, \$2.10; 25 bushels or more, \$2.00 per bushel. All subject to market changes. Sow one bushel to acre.



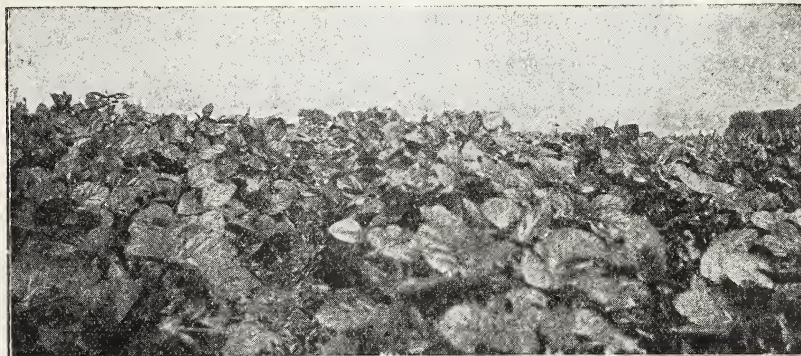
Buckwheat

Soy Beans

The soy bean is rapidly taking its place in Illinois. In some sections it has practically taken the place of the oats crop, and following the high price and good yield last season, we look for an enormous demand for good soy bean seed. Many of the larger farms now own a combine, which is most practical for handling soy beans.

Last year several secured yields as high as 35 bu. per acre. These beans were contracted for \$1.50 per bu. delivered at Peoria. This made a very good money crop.

Soy beans have a great future in this section of the country. Every year more and more of them are used in different ways.



Planted May 5th. Note heavy stand

Varieties

There are several hundred different varieties of Soy Beans but only five or six which are best suited to our section.

ILLINI SOY BEAN

We consider this the best seed bean of all the different varieties of soy beans. It is a bean which the University of Illinois produced about nine years ago, from a single plant secured from the AK variety.

By actual field tests last year this bean yielded from three to five bu. more than any other variety grown in the same field. It is a small round yellow bean, containing about 3,000 beans to a pound.

Advantages of the Illini soy bean are as follows: Highest yielding of any variety. Oil content compares favorably with other varieties. Matures early, about ten days earlier than the Manchu. Stands up well. Holds seeds after ripening. Pods are well borne above the ground, making it a good bean for combine use. In some varieties the pod is so near the ground that it is impossible to get the beans with a combine. Pods are mostly three seeded, while most varieties are only two seeded.

We have several thousand bushels of the Illini variety bought from the combine at harvesting time. These beans are bright and will show excellent germination. For prices see price list in back of book.

Be sure to inoculate with McQueen's new dry coat inoculation. See page 12 for prices.

MANCHU SOY BEAN

The Manchu has been in the past, the most popular bean in the corn belt, and we consider it still one of the best.

Reasonably early maturing bean. Matures in about 107 days. Well suited for hogging down with corn, matures about the same time as Reid's Yellow Dent.

Medium large bean, about 2500 to a lb. Does not shatter easily. Stands up well. High oil content, and makes good hay when sown thick.

Be sure to inoculate with McQueen's new dry coat inoculation. See page 12.

DUNFIELD SOY BEAN

This is Indiana's pride bean. It is somewhat similar to the Illini, only a larger bean.

One of the good features of the Dunfield is that it will stand out in the weather for weeks and not shatter. Stem stands up straight, keeping the beans up from the dampness.

For prices see price list in back of catalog.

Be sure to inoculate with McQueen's new dry coat inoculation. See page 12.

EBONY THE HAY BEAN

Every year more and more beans are sown for hay. Soy Bean hay is only equalled by the best alfalfa hay, and contains more protein than the best clover hay.

The Ebony is a small black bean, produces a fine stalk and heavy foliage, which makes it the best hay bean.

One of the oldest varieties grown in the United States, being introduced from Korea in 1901. Matures in about 115 days.

Be sure to inoculate with McQueen's new dry coat inoculation. See page 12.

MIDWEST SOY BEAN

Immediate early maturing, composed of several different varieties. It is a small yellow bean, and has large leaves. Stands up fairly well. Good for silage or hay.

Be sure to inoculate with McQueen's new dry coat inoculation.

Manchu Soy Beans

Soy Beans Inoculated For Thirty Cents A Bushel Extra

We will inoculate with McQueen's Dry Cote Inoculation with a special machine, which does the work exceptionally well, for 30c a bushel extra. Soy beans must be inoculated to make them a paying crop. Soy beans which are not inoculated are soil robbers. Do not think you can get by without inoculation, and grow a profitable crop.

If you have your own soy bean seed, send us an order for inoculation.

Bulk Inoculation for Large Users

Where you have 75 bushels or more of soy beans to inoculate, we will furnish you McQueen's Dry Cote Inoculation in bulk at 60c per pound. One pound inoculates 3 bushels of seed.

Use Plenty of Seed

We find that where the heaviest yields were produced last year, the heaviest seedings were made. Best results were obtained where beans were drilled in rows 24 inches apart, using $\frac{1}{2}$ bushel of seed to the acre. Broadcast two bushels per acre.

Clipper Mills

We are general state distributors for clipper mills. We buy these in car-load lots of from 75 to 100 mills in a car.

We have handled several different kinds of mills in the past 24 years that we have been in the seed business, and can heartily recommend the clipper mill. We have three of the largest type made No. 29 D in our own cleaning plants.

Every farmer should have a good fanning mill. A good fanning mill will pay for itself in a short time. If you expect to plant beans, you should reclean them, as the split beans are absolutely of no value for seed, but are worth around \$1.50 per bushel at the mill or for feed.

There is other seed around the farm which can be cleaned up and used to good advantage if you have a mill.

In consideration of these facts, all your farm seed such as wheat, oats, clover, should be well recleaned before sowing.

Clipper mills are made in many sizes, but only two sizes are for farm use.

No. 1 B., which cleans about 10 bu. of clover seed per hour. Complete with 12 sieves \$37.50.

No. 2 B., which cleans about 15 bu. of clover seed per hour, or about 50% greater capacity than the No. 1 B. Complete with 12 sieves and drive pulley for use with gas engine or motor. Price \$45.00.

We have the entire state on these mills, so we would ask you to first see if your dealer carries them in stock. If you have no dealer in your section send your order to us.

GRADES OF SEEDS

Our best grade of seed which is the best we can grow or buy, is what we call the Illinois brand. Full Valued grade is very good seed, usually .99% or better pure of weed seeds. All double cleaned over our big power mills.

Prime is well recleaned seed, but usually is not as bright, and contains more or less small seed.

Seed Disinfectant

We offer you the same line of seed disinfectants as we have been selling the past two or three years, that of the DuBay line.

Semesan Jr.

We find from the experience of many, it pays to treat seed corn with Semesan Jr. The cost is very small. We have tested this out for ourselves, and find that it increases the yield of corn from one to five bushels per acre. In no case did it show a decrease.

Seed corn can be treated with Semesan Jr. weeks in advance, with no injury to the germ. Rats and mice will not bother seed corn after being treated with Semesan Jr., and we have had some of our customers tell us that crows and rodents will not bother the seed in the ground nearly so much as that which has not been treated.

One pound can treats 8 bushel of corn at the cost of \$1.75. Five pound can, which treats 40 bushel, \$8.50.



Improved Semesan Jr. Generally Increases Yields
Seed treatment with Improved SEMESAN JR.
produced the largest crop on the right.



Semesan For Vegetables

Semesan is a dust disinfectant for vegetable seeds, flower seeds and bulbs. We have sold quite a lot of Semesan for treating Gladiolus bulbs, which has proven very satisfactory.

KELLY'S
SEEDS GROW



CERESAN

A new dust treatment for wheat, oats and barley against smut.

Formaldehyde has been used with varying results on these grains, but is not as applicable as it should be. Formaldehyde kills part of the germ, and weakens the rest.

With the new Ceresan which is a dry powder, there is no danger of affecting the germ in any way.

Although it is much stronger than formaldehyde, it is used on oats and barley. It seems to filter in around the husks of oats and barley, and is more effective than formaldehyde.

Very easy to apply. Simply sprinkle on the powder and scoop the mixture several times, or mix in seed box.

In an experiment at the University of Illinois of ten applications on an early variety of oats, they secured a yield of 11.4 bushels per acre average increase. Iowar oats treated with this new dust treatment, averaged on ten applications, almost 13 bushels per acre increase.

Prices: 1 lb. can costs 75c. Treats six bushel. 5 lb. tin costs \$3.00. Treats thirty bushels. 25 lb. pail costs \$12.50. Treats one hundred fifty bushels.

NU GREEN

A grass disinfectant for brown patch, prevention and control.

Often in the summer and fall you will notice brown patches in your lawn, also on golf courses, cemeteries, and in fact anywhere grasses are fertilized, watered and clipped.

This comes from a diseased condition brought about by Fungi which can be controlled by the use of a disinfectant which kills this bacteria life.

Nu Green does not burn the grass like other preparations.

Directions with every can. Prices: 1 lb. tin, \$2.00; 5 lbs. \$8.00; 25 lb. pail, \$37.50; 100 lb. drum, \$145.00. Special prices to large users.

“Gold Leaf” Tobacco Powder

CONTROLS POULTRY ROUND WORMS

“GOLD LEAF” tobacco powder is manufactured especially for this purpose. Contains just enough nicotine to do this work without throwing the hens off their laying. Some of the more drastic medicines make the entire flock sick for several days and often stop laying for ten days or more. This treatment is simple and inexpensive to use.

DIRECTIONS—Mix two lbs. of “GOLD LEAF” tobacco powder with 100 lbs. of dry mash. 70 birds can be treated at a cost of 2 cents per day.

We guarantee “GOLD LEAF” powder to contain not less than 1% of nicotine and not more than 1½% and to be of suitable fineness for feeding to poultry. Price: 2 lbs. sufficient for 100 lbs. of mash, 25c; 10 lbs. \$1.15; 100 lb. bag, \$6.00.

Arcadian Sulphate of Ammonia

What we consider the best fertilizer for lawns, also for gardens, shrubbery, trees and flowers. Contains 20% nitrogen which is essential for the good growth of lawns.

Two pounds of Arcadian contains as much nitrogen as 100 pounds of stable manure. There is none of the weed seeds in Arcadian Sulphate of Ammonia like in sheep manure or stable manure. Sulphate of Ammonia has tendency to eliminate weeds from the lawn and by continued use, (that is an application every season), in a short time your lawns will be entirely free from weeds.

For lawns apply one pound to every 250 square feet. For vegetables or flowers one pound for every 250 square feet. For shrubs, bushes and grape vines, one to two handfuls, according to size of bush, scattered under bush. For fruit and shade trees one to ten pounds, according to size. Spread circular area under trees beginning a foot from the base and spreading to the outer branches.

Always apply when grass is dry and wet down thoroughly. Price: 5 lb. bag, 65c; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$3.25; 100 lb. bag \$5.00.



ACME INSECTICIDES FUNGICIDES



ACME PARIS GREEN

A rich, emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on: Potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: $\frac{1}{4}$ lb. 15c; 1 lb. 40c; 4 lbs. \$1.50.



Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Prices: $\frac{1}{2}$ lb. 15c; 1 lb. 25c; 4 lbs. 70c; 100 lbs. \$16.00.



ACME GARDEN GUARD

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on: Cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1 lb. sifter carton, 20c; 5 lbs. 50c; 100 lbs. \$9.00.

LIQUID LIME SULPHUR, 50 gallon bbl. 22c per gal., \$3.00 for bbl.
LIQUID LIME SULPHUR, 30 gallon bbl. 25c per gallon.
LIQUID LIME, 10 gallon can, 65c per gallon.

KAYSO—A Casein spreader for use in lime sulphur, Bordo and Arsenate of Lead. Breaks up this material making it possible the perfect coating of every part of leaf and tree. Saves blots which burn tree and foliage. Also a binder which makes the poison stick. Always use Kayso with your sprays. $\frac{1}{2}$ lb. package 20c; 2 lb. package, sufficient for 100 gallons of spray, 60c; 12 lb. bags, \$3.00.

ACME LIME SULFUR

A standard 33° Baume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water.

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

Prices: 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.75; 25 lbs. \$3.25; 50 lbs. \$6.00; 100 lbs. \$10.50; 200 lbs. \$19.00 in 12½ lb. bags.



ACME BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

Prices: 1 lb. 25c; 4 lbs. 70c; 100 lbs. \$13.50.



ACME TWO-WAY SPRAY

A balanced insecticide and fungicide containing 14% arsenate of lead and 83% Bordeaux Mixture. Two results with one application.

Use wet or dry on: Apple, sour cherry, currant and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables.

Prices: $\frac{1}{2}$ lb. 20c; 1 lb. 30c; 4 lbs. 90c; 100 lbs. \$19.00.



BLACK LEAF 40.

One oz. bottle, 25c; $\frac{1}{2}$ lb. \$1.25; 2 lbs. \$3.00; 10 lbs. \$11.50.

PYROX, for apples, potatoes and general purpose against leaf eating insects and fungus disease. Mix with cold water. Pound, 45c; 5 lbs. \$1.65.

HAMMOND'S SLUG SHOT, One of the best insecticides for vegetables in use. Non-poisonous to human life. Pound 20c; 5 lbs. 50c.

NICOTINE DUST, Five lbs. \$1.25.

WRITE FOR SPECIAL PRICES ON LARGER LOTS

We buy spray material by the carload at very low prices. Club orders and large orchardists orders our specialty.

For directions as how to use, write for spraying guide.

We sell Hayes and Hudson Sprayers. Largest stock in Illinois.

ACME SPRAYING GUIDE

Complaints of
Acme White Lead and Color Works
Detroit, Michigan

WHEN AND WHAT TO SPRAY

CROP	SPRAY RATE	TIME
Apples	1/2 lb. per acre	When blossoms open
Oranges	1/2 lb. per acre	When blossoms open
Pears	1/2 lb. per acre	When blossoms open
Plums	1/2 lb. per acre	When blossoms open
Currants	1/2 lb. per acre	When blossoms open
Grapes	1/2 lb. per acre	When blossoms open
Strawberries	1/2 lb. per acre	When blossoms open
Beans	1/2 lb. per acre	When blossoms open
Beets	1/2 lb. per acre	When blossoms open
Cucumbers	1/2 lb. per acre	When blossoms open
Potatoes	1/2 lb. per acre	When blossoms open
Tomatoes	1/2 lb. per acre	When blossoms open
Peppers	1/2 lb. per acre	When blossoms open
Peas	1/2 lb. per acre	When blossoms open
Carrots	1/2 lb. per acre	When blossoms open
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Turnips	1/2 lb. per acre	When blossoms open
Carrots	1/2 lb. per	

RAT NIP

KILLS RATS EVERY TIME. Take slices of bread about half inch thick, squeeze Rat Nip on to them so that it can be spread evenly over the entire surface, using about the same quantity you would butter in buttering bread. Use an old knife in spreading.

Sprinkle sugar over the surface, then cover with flour, cut bread into squares and place about premises infested with rats.

Use a liberal amount, say about 50 pieces. If used around a dwelling, place a low pan of water near the bait. Next morning you will find rats near the water. Follow directions and you will soon rid your place of rats at a small expense. Price per tube, 30c. Poison cannot be mailed.

SCALECIDE

We are distributors for Scalecide in this section, getting it by the car load. Once used, always used, as a complete dormant spray. The delayed dormant spray with Scalecide controls scale of all kinds, aphis, pear thrips, leaf miner, case bearer, leaf roller, bud moth and canker.

In addition to this the use of Scalecide year after year greatly invigorates the tree.

Scalecide is pleasant to use. Does not injure even the eyes. No burning, is non-poisonous, saves half the cost of spraying. Does its entire work in 30 minutes. Is not affected by rains like Lime-Sulphur. No clogging of sprayer.

WE GUARANTEE

that, if you will divide an orchard, your worst or best, in two parts equal in general condition, and for three years, spray one part with Scalecide according to our directions and the other part with lime-sulphur, giving the same summer treatment to will be better than the part sprayed with lime sulphur—in the judgment of three disinterested fruit growers—or we will refund the money you have paid for the Scalecide.

Clean Up Your Trees

Plan at once to clean up the scale, spores of fungi, and the eggs and larvae of insects on your trees before the leaves come out, and insure better fruit next Fall.

"SCALECIDE" Does It

More effectively than Lime Sulfur as a dormant spray. No more expensive. Easy and nice to mix and apply. Will be glad to show you. Come in before buying any other spray.

SCALECIDE PROLONGS THE LIFE OF YOUR SPRAYER

Isn't it a shame to put a grinding corrosive substance into an expensive spray rig. Wear and tear mean quick depreciation and short life.

When Scalecide is used the life of your sprayer is prolonged, as it actually works in oil. The pump operates more easily and develops higher pressure. There is nothing to cut the valve or eat the hose and fittings. Scalecide costs less to use, is easy to use, saves the operator clothing and the disagreeable part of spraying.

Price: 50 gallon barrel \$30.00; 30 gallon barrel \$22.50; 15 gallon drum, \$11.50. On return of drum we pay \$3.00 for barrel; \$2.50 half barrel and for 15 gallon drum, \$2.00. 10 gallon can, \$10.00; 5 gallon can, \$6.00. Freight prepaid to your station on above quantities.

Write for circulars or catalog on spraying which will be given you free. Special prices on large lots. One gallon cans, \$1.65; 1 quart cans, 75c.

Note new reduced prices above.

SULFOCIDE—A Better Summer Spray

A powerful summer fungicide for fruit, vegetables and flowers. Best for the control of apple scab, brown moth in peaches and other serious diseases.

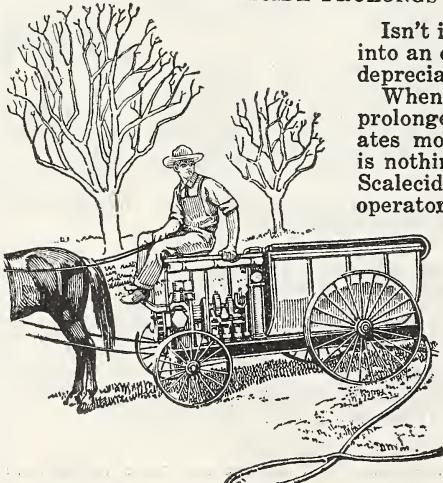
Briefly these are the reasons why Sulfoicide is a healthier summer spray: it does not devitalize the foliage and dwarf the fruit like lime sulphur, does not russet apples, (Bordo does). It can be used on peaches, apples, quinces, pears, grapes, all kinds of berries, beans, tomatoes and other vegetables.

One of the best summer sprays is to take one gallon of Sulfoicide, two lbs. of Kayso and four lbs. of arsenate of lead. Always follow these directions in mixing. Put in Kayso first, arsenate second and Sulfoicide last. This makes 200 gallons of spray material at a cost of about \$4.00, which is cheaper than home made Bordo and much better.

Price: Qt. \$1.00; gal. can \$2.50; 5 gal. can \$8.50; 10 gal. can, \$15.00. Freight prepaid on 5 gallons or more.

both parts, the part sprayed with Scalecide

will be better than the part sprayed with lime sulphur—in the judgment of three disinterested fruit growers—or we will refund the money you have paid for the Scalecide.



B-K Means Bacilli-Kill

The strongest disinfectant known. A household purifier. Once used, always used. A new and better way to purify, deodorize, and disinfect. B-K is a germicide that is different from anything you ever used. It kills the germs of diseases and odors and leaves no odor of its own.

Every dairy farmer or handler of milk in any way should use B-K. All milk bottles, separators and other utensils used in handling milk should be sterilized with B-K.

It is a concentrated sodium hypochlorite. It has three great powers.

First, germ killing being ten times as strong as undiluted carbolic acid.
Second, it is a solvent of such materials as milk solids on which bacteria thrive.
Third, it is a wonderful deodorizer.

B-K works effectively with cold water, contains no poison, acid or oil and above all is cheap. A few cents worth of B-Q per day will sterilize the average dairy's run of bottles.

Ideal for hospitals, school rooms, lunch rooms, toilets, barns, hog houses and anywhere to kill bacilli.

WHAT B-K DOES FOR THE FARMER AND WHY!

1. It destroys at once on contact the germs of disease and loss in live stock and poultry and the bacteria that contaminate and spoil milk and other dairy products.

2. It helps prevent diseases of live stock and poultry, thus adding profits.

3. It helps to produce highly pure milk and cream and more of it—makes the pay check bigger.

4. It is clean—can be used anywhere. Leaves things clean, purified, odorless. Leaves no odor of itself to contaminate.

5. It saves time, labor and losses.



6. It is always ready—Just add water and use.

7. It is cheap to use—It is highly concentrated. You add water to use. Cost only $\frac{1}{2}$ ¢ to 2¢ per gallon of dilution used as directed.

Government reports show that the farmers' yearly losses in the U. S. from preventable diseases of live stock and poultry are about \$250,000,000.

The losses caused by spoiled and low grade dairy products are even greater.

Send for free bulletins on this wonderful cleaner, "What B-K Does for the Farmer and Why!"

4 oz. bottle, parcel post, prepaid..... \$0.35

10 oz. bottle, parcel post, prepaid..... .00

1 quart bottle, parcel post, prepaid..... 1.25

1 gal. jug, express prepaid..... 3.00

5 gal. jug, express prepaid..... 12.00

Modern Method of Poisoning Rats and Mice

RAT-SCENT is a specially prepared poisoned combination of California grains, sun-dried and scented.

The scent attracts and draws rats and mice to the bait and the grain is blended to make it agreeable to their taste, in fact, they will eat it in preference to any other food.

RAT-SCENT attracts rats and mice as fish attracts cats and RAT-SCENT is the only preparation known that carries this scent and taste that rats and mice like.

RAT-SCENT has outstanding features in its use that will immediately appeal to you and instead of it being a disagreeable task to poison rats and mice you will find it a pleasure to exterminate them.

No bait to mix or spread. RAT-SCENT is ready to use. No odor from dead rats or mice. RAT-SCENT has been used in homes, restaurants, stores, department stores and in no instance has there ever

apartment houses, hotels, warehouses and department stores been a case of odor from dead rats or mice.

RAT-SCENT does not lose its strength. Last indefinitely. Does not get mouldy or wormy. Rats die outside; mice die close to bait.

RAT-SCENT especially appeals to the farmer and poultryman as it does not kill chickens, and rats and mice will eat it regardless of other grains lying around.

RAT-SCENT being a grain is not an attractive food for cats or dogs, which gives it a greater degree of safety than the ordinary baited poisons.

You will find that rats and mice will both find and eat RAT-SCENT. If you place it in piles on the floor close to walls you will get a quick and thorough extermination of them. Rats and mice cannot eat RAT-SCENT and live. After you have gotten rid of them by keeping RAT-SCENT down from time to time you will never have any more damage from rats and mice coming in. Use as directed on box and you can not fail to make a complete extermination of rats and mice.

PRICE 35¢ A BOX

Holden Lime and Fertilizer Spreader

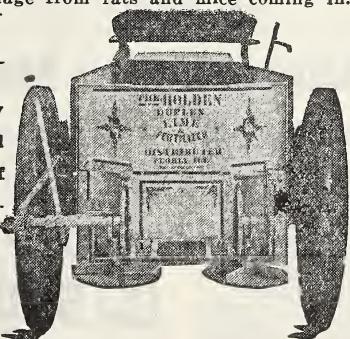
There are a great many lime spreaders on the market now but we recommend the Holden as the best.

This machine is made in Peoria by one of the oldest and largest manufacturers of fertilizers and lime spreaders.

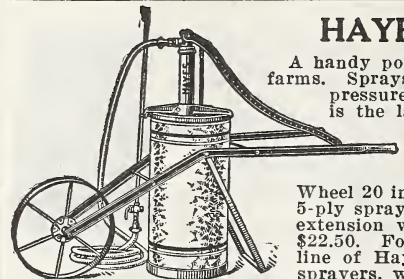
We can make quick shipment of these at all times, out of stock at either Peoria or San Jose.

Note the double fan and strong construction. Several improvements in this machine now, over a few years ago.

Spreads 20 feet wide. Handles wet or dry lime or fertilizer. Cannot clog, has auger force feed. Fits any farm wagon. One man can spread. No heavy lifting, very light draft. This spreader has been a leader among farmers for 12 years because it saves time and material, because of its low cost and long life. Price complete with one sprocket wheel, freight prepaid to your station, \$42.50. Extra sprocket wheel, \$3.00 each. Cash with order, 5% discount.



HAYES WHEEL BARROW SPRAYER



A handy portable all purpose sprayer for trees, row crops and stock farms. Sprays disinfectant or whitewash. Powerful leverage and high pressure, has the regular Hayes barrel Sprayer No. 1721 which is the largest and more efficient than furnished with any other wheel barrow sprayer. Has extra long handle and extra size $2\frac{1}{4}$ boiler tube air chamber, develops an air pressure and fog like spray with great ease. Heavy $12\frac{1}{2}$ gallon galvanized tank, steel banded at top and bottom.

Wheel 20 inches in diameter, $2\frac{1}{2}$ inch tire. Has $12\frac{1}{2}$ feet of half inch 5-ply spray hose with stay-on fittings and large agitators, 8 ft. steel extension with stop cock and one strainer nozzle. Price complete, \$22.50. For pump only for barrel sprayer, \$12.50. We carry a full line of Hayes Sprayers in stock at Peoria. If interested in large sprayers, write for catalog on sprayers and our prices.

Hudson's Sunshine Portable Sprayer

This wheel barrow type fills the needs of florists, nurserymen, gardeners, poultry raisers and farmers. For use in vineyards, orchards, truck gardens, poultry houses, etc., spray stock dip, trees, shrubs, and flowers.

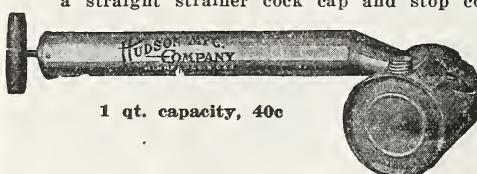


$12\frac{1}{2}$ gal. galvanized iron tank, pump with dasher type agitator, brass valve easy to get at.

Discharge equipment consists of 5 ft. $3\frac{1}{2}$ in. 5-ply spray hose, angle spray nozzle with 2 ft. of iron pipe extension. Price, \$13.00.

Hudson Compressed Air Sprayer

These sprayers have tanks made like a steam boiler, seams all riveted, not soldered, which gives strength necessary for developing a high pressure and is absolutely necessary for good results. Complete with 2 feet of half inch hose, fine spray nozzle, a straight strainer cock cap and stop cock. Galvanized



1 qt. capacity, 40c

tank 4 gal. capacity, \$4.00; 130-B brass tank, 4 gallon capacity, \$8.75; No. 140 galvanized iron tank, $2\frac{1}{2}$ gallon capacity, \$4.00; 2 feet of solid brass extension pipe, 50c each.



SPRAY HOSE

We carry a full stock of spray hose and fittings for Hayes and Hudson sprayers at our Peoria house.

BULL DOG SPRAY HOSE—There is quite a difference in spray hose as any one familiar with this work knows. Our best hose is BULL DOG, seven ply, made to withstand 400 lbs. pressure, also made to stand acid sprays— $\frac{1}{4}$ inch. Price 27c per foot.

GOODYEAR SPRAY HOSE—A good standard hose, five ply to use on the average small sprayer. In 25 and 50 foot lengths. $\frac{1}{2}$ inch, 5 ply. Price 22c per foot.

GOODYEAR WINGFOOT SPRAY HOSE— $\frac{1}{2}$ inch. Price 17c per foot.

Cure Your Meat With Old Hickory

Save Labor, Shrinkage, Fire Risk and Worry

Get the exact flavor you want; a beautiful brown color and uniform smoke cure from rind to bone. Nothing takes the place of the original and genuine.



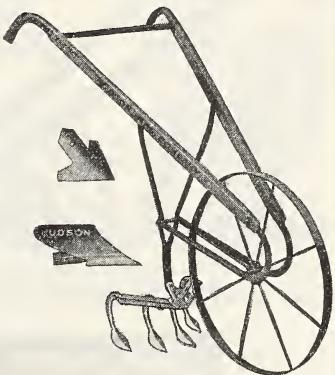
Examine the package carefully before you buy. The air-tight, ten lb. drum, with the yellow and blue label must carry the Old Hickory Smoked Salt trade-mark. We have it and we guarantee it to be the genuine article. Price 10 lb. can 85c.

Garden Plows

We carry in stock several styles of garden plows, but recommend this as the best all-purpose plow we have to offer.

Few people realize the value of a good garden plow until they have actually used one. You can do ten times as much work in an hour as with a hoe, and you will find it easier to use.

This plow has a 24 inch wheel, which makes it very easy to push. You will notice you are pushing almost straight ahead, whereas with a low wheel you waste 40 per cent of your strength pushing in the ground. All steel except the handles which are adjustable as to height. Can furnish with any equipment, but come regularly with a breaking or turning plow, a middle buster and a double end bull tongue which is the tool for close cultivation. Standard package. One in a bundle K. D. Weight 22 pounds. Price: \$3.00.



Bolens Garden Tractor



We have sold several different kinds of garden tractors, but find the Bolens gives better service than any others. Last year we sold almost a dozen of these tractors and all gave the very best of service. We carry them in several different styles. Send for catalogue and prices.

The Bolens Tractor

Is a motive power unit designed to do accurate seeding, close weeding, general cultivating, also lawn mowing.

BOLENS must not be confused with other garden tractors. It is vitally different in all essential features.

1. A Patented Arched Axle 16½ inches high enables the operator to see the row about two feet ahead of the drive wheels and four feet ahead of the tools. Guiding can be anticipated. A blind man cannot cultivate, neither can the man who does not see the row.

2. Combined with the arched axle is the **BOLENS** Tool Control. The cultivator draw bar is attached at a pivot point in front of the drive wheels. Steering the tractor, automatically leads the tools in the same direction. There are no contrary movements just a simple natural steering to keep the tractor arch centered over the row. A boy of fourteen can do it successfully.

3. Offset Handles place the operator between the rows where he can walk in comfort while the tractor straddles the row.

4. The Double Clutch Drive enables the operator to apply the power to either drive wheel. At the end of the row the handles may be lifted and the motor will turn the tractor in a space about one-half its length. Implements quickly interchangeable. You loosen two thumb nuts, remove one implement, put another in its place, tighten the thumb nuts and you are ready for work. Not even a wrench is needed.

6. **BOLENS** cultivating equipment will work one, two or three rows. The tool holders are adjustable for depth, width or angle, as soil conditions or crops require.

7. Other **BOLENS** advantages are the patented air cleaner for the carburetor, a snappy, powerful four cycle motor, air cooled with magneto ignition and complete speed control for either delicate or coarse cultivation.

The man who owns a **BOLENS** can handle greater acreage with less labor and grow better crops, because of more intensive cultivation. We know of truck growers whose **BOLENS** have earned them twenty dollars a day in actual saving of wages as compared with hand work. It is not at all unusual for **BOLENS** outfit to make its owner ten dollars a day clear.

Price, no tools, freight paid your station, \$185.00.

Hand Mowers

We carry in stock at both Peoria and San Jose, a full line of the best makes, such as Pennsylvania, Eclipse, Winchester, Herschel and cheaper mowers. Never buy a mower until you get our prices. Call at our stores or write for prices.

Hudson Combination Seeder and Cultivator

A combined seeder and cultivator. An equipment to serve the gardener from seeding time until final cultivation. It sows in hills or drills any garden seed from peas or beans down to the finest variety. Fitted with adjustments to care for every gardener's requirement.

As a seeder it opens the furrow, drops the seed, covers the furrow, packs the earth and marks the next row.

The seed regulating plate is brass with openings die cut to insure absolute uniformity. This gives perfect control of the seed flow and assures a uniform drop. Sows all seeds from beans down to the finest garden variety, in continuous drill or hills, 4-5-6-8-12-24 inches apart. Adjust-

ments in furrow opening shoe and cover, permitting planting at any depth to 2 inches. One in wood box, handles bundled separately, shipping weight 56 lbs. Shipped by express prepaid for \$13.00. Regular Priced \$17.00.



"The very Implement we Need"

Meeker Smoothing Harrow

The Meeker Smoothing Harrow prepares any soil for planting. Famous seed growers use the Meeker Smoothing Harrow. It is a perfect pulverizer, smoothing harrow and rollers combined. It has four sets of rollers equipped with 46, 58 or 82 discs depending on size. These discs are set in alternating rows so the entire surface is thoroughly worked. They grind up all lumps leaving the soil fine and smooth, even in damp soil. The alternating arrangement of the discs prevent clogging. The board in the center serves as a lever. It smooths down ridges and fills up hollows.

DOES THE WORK OF A DOZEN MEN
The Meeker harrow will give just as good a seed bed as you can get



Meeker Smoothing Harrow Helps Good Seeds Grow

by hand raking and will do the work of a dozen men at small cost. In fact the Meeker Harrow gives a better seed bed because it does the work much deeper than a rake, stirring and pulverizing the soil to a depth of 4 to 5 inches.

Burpee, Hurd, Gregory, Brech, Woodruff and other leading seedsmen are using the Meeker Harrow for making a perfect seed bed,

also thousands of Market gardeners and truck growers. Write for folder, "Results of a Meeker Harrow."

	Prices
4' 6"x4' harrow with 8 inch discs.....	\$35.00
6' 8"x6' harrow with 8 inch discs.....	40.00
6' 8"x6' harrow with 10 inch discs.....	50.00
8' x6' harrow with 8 inch discs.....	55.00
8' x6' harrow with 10 inch discs.....	60.00

Wire Glass Cloth

This is a light weight unbreakable material, which admits light, is hail proof, cold proof and weather proof. Has heavy galvanized screen wire base.

Ideal for hog houses, hot beds, cellar windows, covering screen doors for winter, chicken houses and in fact anywhere that you want light and sunshine.

This material transmits the Ultra Violet Life-Giving Ray and the essential vitamine D where the common sand glass does not.

We have this in 26 inch width for 28c per lineal foot and the 36 in. width for 40c a lineal foot.

Turner's Glass Cloth

This is a glass substitute, but has no screen wire in it. Admits light and keeps out cold. Will last two or three years. 36 inches wide, 11c per lineal foot; 25 foot roll \$2.25.

Double Chick Feeders



Galvanized Steel..... 10 in. 10 holes, 4 for 60c; 6 for \$1.10; doz. \$2.00; 20 in. 20 holes, doz. \$3.00
Aluminum..... 10-in. 10 holes, 3 for \$1.60; 6 for \$3.00; 20-in. 20 holes, doz. \$6.00

These feeders permit the chicks to feed on both sides. Prevent waste of feed, and keep it clean. Sliding top comes off readily for refilling. Heavy galvanized steel or aluminum seamless construction.

Use Swift's Fertilizers

Make one acre produce as much as two.

The cost of labor to produce a crop of 80 bushels of corn to an acre is no more than to produce a 40 bushel crop.

In order to produce an 80 bushel crop you must have all the elements in the soil in sufficient quantities to do this. You may have sufficient of all these except one or two of the necessary elements and by this shortage (which we can supply at a small cost) you will raise but 40 bushels.

Here is where the big profit is made by the use of fertilizers. You may need only Phosphate, Potash, Sulphate of Ammonia or Lime. We buy fertilizers containing different amounts of these elements and can furnish you whatever your soil needs.

The right fertilizer not only makes a larger yield, but earlier maturing and better quality.

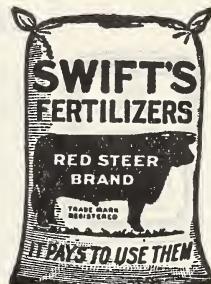
Much of our soil needs lime, but this is not a panacea for all soils. You can get too much lime, and lime applied to heavy, black gumbo soils is usually applied at a loss. Many think this kind of soil does not need anything, but we find very often it needs Potash. All plants are equipped with a transportation system, which transports water and plant food to the ear or fruit.

No doubt you have noticed the fibers in the pith of a corn stalk. These fibers are water and food tubes, the transportation system of the corn plant.

When soil lacks Potash, the iron in the corn plant wrecks this system, and reduces the yield. This deadly accumulation usually causes a darkening of the joints that can readily be seen with the naked eye.

Bags weigh 125 pounds each

Ammonia 4.	Available Acid Phosphate 16.	Potash 4.....	\$3.25	\$48.50
Ammonia 2.	Available Acid Phosphate 16.	Potash 2.....	2.75	38.50
Ammonia 2.	Available Acid Phosphate 12.	Potash 6.....	2.75	40.00
Ammonia 0.	Available Acid Phosphate 8.	Potash 24.....	3.10	46.00
Super Phosphate 20 per cent.....			2.00	32.00
1 1/4—29 bone meal, \$1.25	Super Ammonia. 29 Phosphate.....		3.25	50.00



New Life for Your Garden, Lawn or Shrubbery—VIGORO



VIGORO is a condensed plant food, containing five times as much food as sheep manure. It is odorless, contains no weed seed and easy to apply. Directions in every bag. Send for booklet on "How to Make a Fine Lawn With VIGORO."

Use it on your lawn, flowers and shrubbery. Increases yield and quality of your garden. 25 lb. bag \$1.75; 50 lb. bag \$3.00; 100 lb. bags \$5.00. We prepay freight to any station in Illinois on 50 lbs. or more.

Lawn and Garden Lime

Lawn lime is ground very fine which gives quick action on the soil, sweetens sour soil and gives nature a chance to release other necessary elements. Lime will loosen up the texture of the soil and put it in good physical condition, for a fine lawn or a good garden.

Apply 6 pounds per 100 square feet. Price, \$2.00 per 100 lb. bag.

Miscellaneous Fertilizers

Florists ground bone, 125 lb. bag, \$3.15. Koppers Sulphate of Ammonia, 5 lb. can, 65c; 10 lb. can, \$1.25; 25 lb. bag, \$2.00; 100 lb. bag, \$4.50. Sheep Head Fertilizer, 10 lb. bag, 50c; 25 lb. bag, 85c; 50 lb. bag, \$1.25; 100 lb. bag, \$2.25; 500 lbs. or more, \$2.00 per bag; 125 lb. bag, 29 bone meal, \$3.25. Nitrate of Soda, 100 lb. bag, \$7.25.

Use Ceresan For Barley, Oats and Wheat



Ceresan has many advantages over formaldehyde. Ceresan takes care of seed borne diseases, such as scab, stripe and smut in barley, whereas formaldehyde kills only smut. No danger of ruining germination of seed with Ceresan. It is a dry dust treatment which can be applied weeks in advance of sowing.

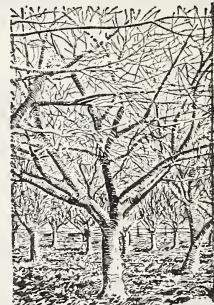
In 1929 Dr. Kahler of the Illinois Agricultural College tested Ceresan as compared with formaldehyde on Big 4 Oats, securing an additional yield of 14 bushels per acre in favor of Ceresan. The advantage of this new treatment increases yields at a very small cost. One pound can of Ceresan costs 75c, treats 6 bushels; 5 pound can costs \$3.00, treats 30 bushels; 25 pound pail costs \$12.50, treats 150 bushels. Poison, not mailable. We send by express pre-paid 5 pounds or more, but better still include with your orders of other items.

Scalecide at Lower Prices

Please note the new low prices we are offering on Scalecide this year. Price: 50 gallon barrel, last year cost \$38.00. This year \$30.00. 30 gallon drum now \$22.50. 15 gallon drum \$11.50. Extra for containers, which we accept the return at the same price. Barrels \$3.00; one-half barrels \$2.50; 15 gallon drums, \$2.00; 10 gallons \$10.00; 5 gallons \$6.00; 1 gallon can \$1.65.

Sulfocide—A Better Summer Spray

One gallon makes 200 gallons of spray. 10 gallon can \$15.00; 5 gallon can \$8.50; 1 gallon can \$2.50; 1 quart 90c. Freight prepaid on 5 gallons or more of Scalecide or Sulfocide.



FEDERAL WAREHOUSE

This is where we store thousands of bushels of seed for our Peoria trade. A new fire proof warehouse where switches go under the building so cars can be unloaded several at once with no hauling to be done. Insurance rates only 15 cents per \$100.00.

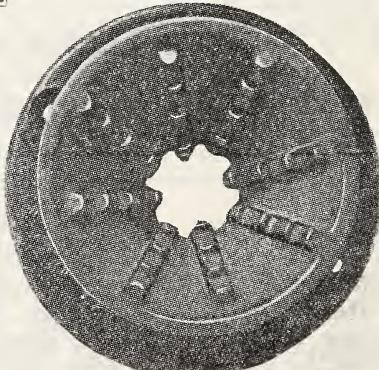
We clean seed and grain during the winter, getting it from all over the Northwest and store here ready for your orders.

At San Jose we have around 140,000 bushel storage space of our own.

Seed Corn Nubber

A poor cut of a good article.

Our own pattern of corn nubber. Made right and will do the work. Just push the ear in this nubber and give it a twist. Price only 35 cents.



Garden Seeds

Our garden seed business is increasing every year. We give so much more for the money than the majority offer in packages, that our old customers are all coming back, and many new ones. The majority of garden seeds which are sent out by the big commission concerns, the unsold portions are returned in the fall and no one knows what becomes of them, but evidently the greater portion of them come back to the dealers the next year. We do not handle seeds on commission, but buy our garden seeds, all direct from the best growers of the different seeds. We earnestly urge you to send in your garden seed order early. Every year we are swamped with this business with late orders, and are unable to give you the service we would like to give you. Special attention is given to Market Gardeners' orders. If you have a large order, send it in to us, and we will be glad to quote you special prices.

Condensed Price List Kelly Seed and Hardware Co.

116-118 South Washington Street, Peoria, Illinois

Garden Seeds—Season 1930

BEANS—BUSH WAX PODDED

	1	2	7	15	60	
	lb.	lbs.	lbs.	lbs.	lbs.	
Wardwell's Kid Wax	.25c	45c	\$1.50	\$3.00	\$11.00	
Pencil Pod Wax	.25c	45c	1.45	3.00	11.00	
Imp. Golden Wax	.25c	45c	1.50	3.00	11.25	
Black Wax	.25c	45c	1.50	3.00	11.00	
Red Kidney Wax	.25c	45c	1.50	3.00	11.00	
Currie's Rust Proof	.25c	50c	1.65	3.25	12.00	

CABBAGE—RED

	1/2 oz.	Oz.	1/4 lb.	Lb.
Mammoth Rock Red		\$0.10	\$0.20	\$0.50

CHINESE CABBAGE

	1/2 oz.	Oz.	1/4 lb.	Lb.
Pe Tsai		\$0.10	\$0.15	\$0.40

CAULIFLOWER

	Pkt.	1/4 oz.	1/2 oz.	Oz.	1/4 lb.
Early Snowball		\$0.20	\$0.30	\$0.50	\$1.00

BEANS—GREEN PODDED BUSH

	1	2	7	15	60	
	lb.	lbs.	lbs.	lbs.	lbs.	
Burpee's Stringless						
Green Pod	.25c	45c	1.50	3.00	10.50	
Giant Stringless	.25c	50c	1.60	3.25	11.50	
Bountiful	.25c	50c	1.60	3.25	11.75	
Full Measure	.25c	50c	1.75	3.50	12.50	
Red Valentine	.25c	45c	1.50	3.00	10.50	

BEANS—BUSH LIMA

	1	2	7	15	60	
	lb.	lbs.	lbs.	lbs.	lbs.	
Fordhook, Bush Lima	.40c	75c	2.25	4.50	17.50	
Burpee's Bush Lima	.30c	55c	1.65	3.30	12.50	
Seibert's Early Lima	.25c	50c	1.50	3.00	12.00	
Large White Lima	.30c	55c	2.25	4.50	17.50	

BEANS—POLE LIMA

	1	2	7	15	60	
	lb.	lbs.	lbs.	lbs.	lbs.	
King of the Garden	.30c	55c	2.25	4.50	17.50	

BEANS—POLE BEANS

	1	2	7	15	60	
	lb.	lbs.	lbs.	lbs.	lbs.	
Kentucky Wonder	.25c	45c	1.50	3.00	10.50	

BEETS—GARDEN

	Special Prices on Large Lots	Oz.	1/4 lb.	Lb.
Crosby's Imp. Egypt		10c	25c	60c
Detroit Dark Red		10c	25c	60c
Extra-Early Dark Red Egyptian		10c	25c	70c
Edmund's Early Turnip		10c	25c	70c
Swiss Chard or Silver Greens		10c	25c	60c

BEETS—MANGEL WURZELS

	Oz.	1/4 lb.	Lb.
Mammoth Long Red	.10c	15c	35c
Gold. Tank, 5 lbs. \$1.60	.10c	15c	35c
Sugar Beet	.10c	15c	40c

CABBAGE

	1/2 oz.	Oz.	1/4 lb.	Lb.
Glory of Enkhuizen	\$0.10	\$0.20	\$0.40	\$1.50
Early Jersey Wakefield	.10	.20	.40	1.25
Lge. Charleston Wakefield	.10	.20	.40	1.50
Sum. Early Winstadt	.10	.20	.40	1.50
Danish Ball-head	.10	.20	.50	1.75
Copenhagen Market	.10	.20	.40	1.50
All-Season	.10	.20	.40	1.50
Flat Dutch, Late	.10	.20	.40	1.25
St. Louis Mkt. Pkts only		.20		
Golden Acre	.15	.30	.80	3.00

CARROT

	Pkt.	Oz.	1/4 lb.	Lb.
Imp. Danvers, Half Long		.05	.10	.25
Improved Chantenay		.05	.10	.25
Ox-Heart, or Guerande		.05	.10	.25

CELERIAC

	1/2 oz.	Oz.	1/4 lb.	Lb.
Golden Self-Bl. Am. Grown		\$0.20	\$0.30	\$0.80
White Plume		.20	.30	.85

Special Prices on Large Lots

	Oz.	1/4 lb.	Lb.
Evergreen White Spine	\$0.10	\$0.25	\$0.85
Davis Perfect		.10	.50
Improved Long Green		.10	.40
Ea. Fort., 5 lbs. \$4, 10 lbs. \$8		.10	.25
Westerfield Chicago Pickle		.10	.25
Kirby's Stay Green		.10	.25
Simmons White Spine		.15	.50
Boston Pickling		.10	.30

CORN—SWEET

	1	2	6	12	48
	lb.	lbs.	lbs.	lbs.	lbs.
Golden Bantam Select	.15c	25c	\$0.60	\$1.25	\$5.00
Kendel's Early Giant	.15c	25c	.60	1.25	5.00
Charlevoix	.15c	25c	.75	1.35	5.00
Extra Early Adams	.15c	25c	.75	1.35	5.00
Howling Mob	.15c	25c	.75	1.35	5.00
Man. White Cob Cory	.15c	25c	.75	1.35	5.00
Stowell's Evgren, Select	.15c	25c	.75	1.35	5.00
Country Gentleman	.15c	30c	.75	1.35	5.00
Early Minnesota	.15c	25c	.75	1.35	5.00
Evergreen Bantam	.15c	25c	.75	1.35	5.00
Sunshine	.20c	40c	1.25	2.00	7.00
Whipples	.20c	40c	1.25	2.00	7.00

EGG PLANT

	1/2 oz.	Oz.	1/4 lb.	Lb.
Black Beauty		\$0.20	\$0.80	\$1.00
N. York Purple Spineless	.20	.80	1.00	4.00

ENDIVE

	Oz.	1/4 lb.	Lb.
Bd-leaved Batavian (Escarole)	\$.10	\$.30	\$1.00
Large Green Curled	.10	.30	1.00
Green Curled, Philadelphia	.10	.30	1.00
White Curled	.10	.30	1.00

HERBS

	1/2 oz.	Oz.	1/4 lb.	Lb.
Dill, Common	\$	\$.10	\$.25	\$.75
Sage	.15	.25	.75	2.00

KALE

	Oz.	1/4 lb.	Lb.
Dwarf Curled, Scotch	\$.10	\$.30	\$1.00
Tall Green Curled, Scotch	.10	.25	.85

KOHLRABI

	Pkt.	Oz.	1/4 lb.	Lb.
Early White Vienna	\$.10	\$.15	\$.45	\$.75

LEEKES

	Oz.	1/4 lb.	Lb.
Broad Scotch or Lrg. Am. Flag	\$.15	\$.45	\$.75

LETTUCE

	Pkt.	Oz.	1/4 lb.	Lb.
Selected Big Boston	\$.05	\$.10	\$.30	\$1.00

	Oz.	1/4 lb.	Lb.	
Improved Hanson	.05	.10	.30	1.00

	Oz.	1/4 lb.	Lb.	
Selected Grand Rapids	.05	.10	.30	1.00

	Oz.	1/4 lb.	Lb.	
Black-Seeded Simpson	.05	.15	.30	1.00

	Oz.	1/4 lb.	Lb.	
Early Curly Simpson	.05	.10	.30	1.00

	Oz.	1/4 lb.	Lb.	
Iceberg	.05	.10	.40	1.25

	Oz.	1/4 lb.	Lb.	
Prize Head	.05	.10	.30	1.00

MUSKMELOON**Special Prices on Large Lots**

	Oz.	1/4 lb.	Lb.
Ex. Ea. Knight (Sugar Sweet)	\$.10	\$.25	\$.85

	Oz.	1/4 lb.	Lb.
Tip Top Honey Dew	.10	.35	1.00

	Oz.	1/4 lb.	Lb.
Hoodoo (Hrt. of Gold) 5 lbs.	\$.4	.10	.30

	Oz.	1/4 lb.	Lb.
Ex. Early Osage, 5 lbs.	\$.45	.15	.35

	Oz.	1/4 lb.	Lb.
Osage or Miller's Crm. 5 lbs.	\$.45	.10	.30

	Oz.	1/4 lb.	Lb.
Rocky F. (Netted Gem) 5 lbs.	\$.4	.10	.30

	Oz.	1/4 lb.	Lb.
Rice' Orange Flesh	.15	.40	1.35

WATER MELON**Special Prices on Large Lots**

	Oz.	1/4 lb.	Lb.
Irish Grey (New) 5 lbs.	\$.30	\$.10	\$.25

	Oz.	1/4 lb.	Lb.
Tom Watson, 5 lbs.	\$.30	.10	.25

	Oz.	1/4 lb.	Lb.
Kleckley's Sweet, 5 lbs.	\$.25	.10	.25

	Oz.	1/4 lb.	Lb.
Fordhook, Early	.10	.30	1.00

	Oz.	1/4 lb.	Lb.
Georgia Rattlesnake	.10	.25	.75

	Oz.	1/4 lb.	Lb.
Halbert's Honey, 5 lbs.	\$.35	.10	.25

	Oz.	1/4 lb.	Lb.
Harris' Earliest, 5 lbs.	\$.30	.10	.25

	Oz.	1/4 lb.	Lb.
Ice Cream	.10	.25	.75

MUSTARD

	Pkt.	Oz.	1/4 lb.	Lb.
Southern Giant Curled	\$.05	\$.10	\$.20	\$.60

	Oz.	1/4 lb.	Lb.
White English or London	.05	.10	.15

OKRA

	Pkt.	Oz.	1/4 lb.	Lb.
Perkin's Mammoth, 5 lbs.	\$.15	\$.05	\$.10	\$.15

	Oz.	1/4 lb.	Lb.
Fine Triple Curled	\$.10	\$.05	\$.35

	Oz.	1/4 lb.	Lb.
Champion Moss Curled	.05	.10	.25

PARSLEY

	Pkt.	Oz.	1/4 lb.	Lb.
Fine Triple Curled	\$.10	\$.05	\$.35	\$.10

	Oz.	1/4 lb.	Lb.
Champion Moss Curled	.05	.10	.25

PAESNIPS

	Pkt.	Oz.	1/4 lb.	Lb.
Guernsey or Hol Crwn.	\$.05	\$.10	\$.20	\$.50

	Oz.	1/4 lb.	Lb.
Guernsey or Hol Crwn.	\$.05	\$.10	\$.20

PEAS

	Special Prices on Large Lots	1	2	7	14	56
All packets 10c						

PEAS**Special Prices on Large Lots****PEAS****Special Prices on Large Lots**

	lbs.	lbs.	lbs.	lbs.	lbs.
First and Best	\$.20	\$.35	\$1.25	\$2.25	\$8.00
Early Alaska	.20	.35	1.30	2.25	8.50
Little Marvel	.25	.45	1.40	2.50	8.50
Nott's Ex. or American					
Wonder	.25	.45	1.40	2.50	8.00
Laxtonian	.25	.50	1.50	3.00	9.50
Premium Gem	.25	.45	1.30	2.25	8.75
Telephone Dwarf	.25	.45	1.25	2.75	8.00
Blue Bantam	.25	.50	1.65	3.00	9.00
McLean's Lit. Gem	.25	.45	1.25	2.40	9.00

PEPPER

	1/2 oz.	Oz.	1/4 lb.	Lb.
All packets 10c				
Large Bell, or Bull Nose				
Long Red Cayenne				
King Royal				
Small Cayenne (Red Chili)				
Pimento				
World Beater				

PUMPKIN

	Oz.	1/4 lb.	Lb.
Lge. Sweet Cheese, 5 lbs.	\$.175	\$.10	\$.15
Mam. Potiron or King of Mam's	.10	.25	.80
Small Sweet or Sugar, 5 lbs.	\$.3	.10	.20
Large Sweet or Kentucky Favorite, 5 lbs.	\$.175	.10	.15

RADISH

	Special Prices on Large Lots	Oz.	1/4 lb.	Lb.
All packets 5c				
Scarlet Globe, 5 lbs.	\$.25	\$.10	\$.20	\$.65
French Breakfast				
Scarlet Turnip White Tip				
Early Long Scarlet Sh. Top				
Long Wh. Icicle, 5 lbs.	\$.3	.10	.20	.65
Chinese Rose				
Crimson Giant				
Long Black Spanish				
Sparkler White Tip				

Beans

KELLY'S
SEEDS GROW

Yellow Podded Wax Beans

All garden seed prices on pages 14 and 15.

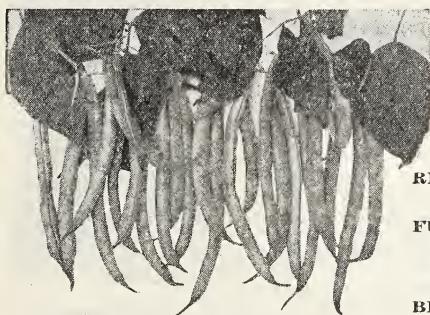
PENCIL POD BLACK WAX. Medium early, very hardy bean, smooth, perfectly round, straight and very productive. Pods long, 5 to 6 inches. **IMPROVED GOLDEN WAX.** Rust-proof. The best yellow podded beans. One nearly everybody grows. Very productive, straight, thin pods, bushes stand erect. One of the earliest sorts. This variety cooks quickly as snaps, and shells well when green.

WARDWELL'S KIDNEY WAX. An early bean, a heavy yielder, rust resisting, looks good and one of the most profitable varieties with market gardeners.

CURRIES RUST PROOF. This bean is practically rust-proof. Vine vigorous, heavy yielder and productive. Pods light yellow, similar in shape to Golden Wax, 5½ to 6 inches long. Splendid for market gardeners and home use.



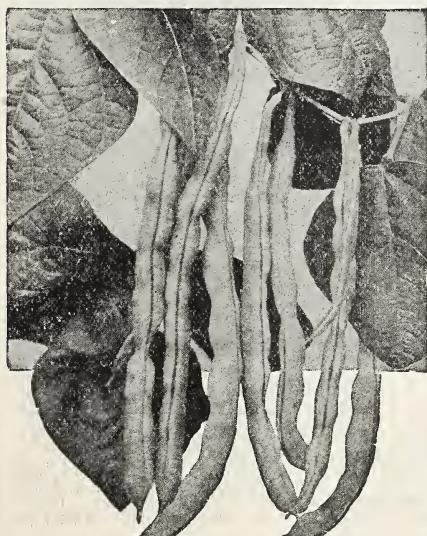
Black Wax Beans



Stringless Green Pod

BUSH LIMAS

SEIBERT'S EARLY LIMAS. One of the early varieties. Commences bearing early and produces entire season, very good for shelling.



Kentucky Wonder Beans

BURPEE'S STRINGLESS GREEN POD. We buy thousands of pounds of this variety and find it to be the best seller we have. Do not fail to order these beans. Medium maturing, very fleshy, remains crisp and tender longer than any other. Vine very vigorous and productive. Good for both home garden and market use.

RED VALENTINE. Well known early sort, pods 4½ inches long, medium green color, fleshy, crisp and tender. Seed long purplish pink, spotted with buff.

FULL MEASURE. A very desirable round podded bean, pods 6 to 7 inches long which are solid, meaty, brittle and stringless. This bean matures a little later than the Stringless Green Pod and splendid for all around use.

BLACK WAX. Exceptionally productive, hardy and very good for home gardens. Black seeds, round pods, yellow and fleshy.



Burpee's Bush Lima

POLE LIMAS

KING OF THE GARDEN. The best pole variety, Vigorous grower, large white beans. For food value it has no equal. Vine grows stiff and yields well.

KENTUCKY WONDER or OLD HOMESTEAD. A farm or corn field bean, the best of its kind. Very prolific, producing an abundance of fine stringless, crisp pods late in the season.

Chestnut, Illinois.

Dear Sirs: Replying to yours of November 20th, wish to say I bought clover seed from you last year which I found very satisfactory. It proved to be seed of the very best quality and I had a fine stand and a good crop of clover.

Hoping these few words may be of service to you I am very respectfully. PHILANDER SIMCOE.

Garden Beets

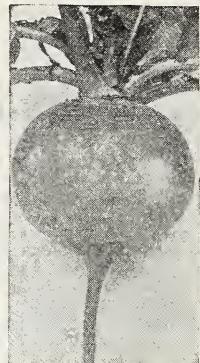
Plant plenty of beets. No vegetable will give you more pep than beets. In fact, any vegetable which is highly colored is filled with vitamins.

CROSBY'S IMPROVED EGYPTIAN. An improved sort which is very popular with market gardeners on account of its quick growth and extreme productiveness. One of the very best. Sweet and tender. Excellent quality for both market and home use.

DETROIT DARK RED. Our best early beet, medium variety, globe shape, very smooth, dark blood red color, splendid for pickling.

EXTRA EARLY DARK RED EGYPTIAN. An old well known variety which has long been the favorite with market gardeners. Has small top, produces a flat medium size beet.

EDMUND'S EARLY BLOOD TURNIP. Dark red nearly round variety. Crisp and tender, also an excellent keeper.



Detroit Dark Red Beet

The best to grow for chickens, also good for hogs and cattle.....



Mammoth Long Red

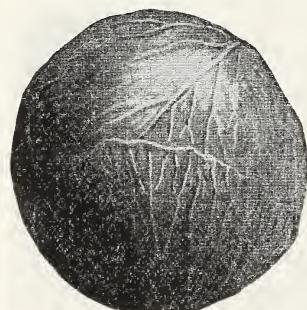
GOLDEN TANKARD. Deep yellow in color, rather flat oval shape, grows mostly above ground.

MAMMOTH LONG RED. The best for general use. Very large, sometimes weighs as much as 18 lbs. Grows best in rich soil. Flesh white tinged with red.

Cabbage EARLY CABBAGE

EARLY JERSEY WAKEFIELD. This is one of the earliest and surest heading of the first cabbages. Market gardeners depend on it for their extra early crop. Exceedingly hardy, resisting cold and unfavorable conditions. Stems short. Heads pyramid having a point or crowned peak. Plant this for earliest cabbage.

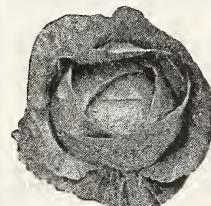
COPENHAGEN MARKET. Introduced from Denmark where the best cabbages grow. An early round head cabbage, heads exceptionally large. Has a very short stem, and few outer leaves. Not as early as the Jersey Wakefield but a much larger head. Plant Copenhagen for your summer use.



Hollander or Danish Ballhead

MAMMOTH ROCK RED. Heads large as flat Dutch. Deep Red in center.

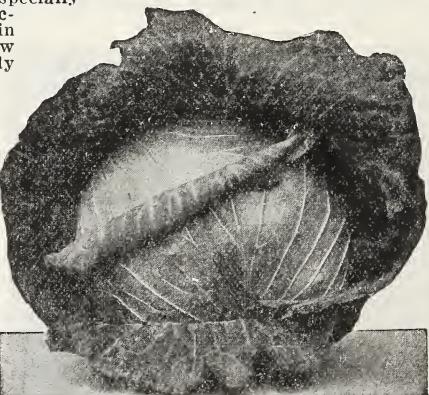
CHINESE or CELERY CABBAGE. Grows very much like head lettuce. Used for salads and slaw. Fall variety only.



Mammoth Red Rock

HOLLANDER or DANISH BALLHEAD. The greatest market cabbage grown, especially in the cabbage section of Wisconsin Michigan and New York. Not overly large, but very solid and the best keeping of all varieties.

LATE FLAT DUTCH. This is your kraut cabbage. Large, tender and sure to head. Heads very solid.

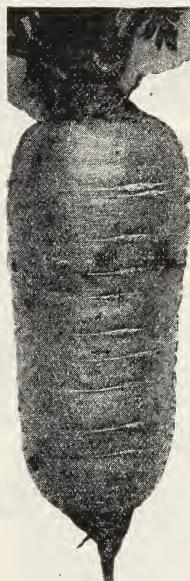


Selected Late Flat Dutch

Anderson, Indiana,
Gentlemen: I would be pleased to have quotations on 15 bushels Alsike and Timothy, mixed half and half, also six bushels of Alfalfa and two bushels of little red clover.

I have been purchasing seed from you for a number of years and take this opportunity of thanking you for the splendid quality of seed and the prompt and strictly honorable manner in which you do business. Every article and transaction has been exactly as you represent it. Awaiting your advice, I am,

Very truly yours, CHAS. K. BAGOT.
Member Bagot-Free & Pence, Attorneys at law.



Chantenay

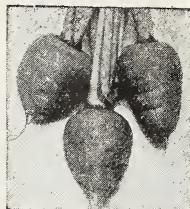
Carrots

The healthiest vegetable that grows. Contains more iron. Your blood needs iron. Grow it in carrots. It is cheaper than from the drug stores.

CHANTENAY. A very early carrot. Deep orange red. Smooth and fine grained. A popular sort to raise for city market. Grows about 6 inches long and very thick meated.

OXHEART. A short thick growing variety especially adapted to stiff, hard soils, roots from 5 to 6 inches long, flesh bright orange, medium early variety.

DANVERS HALF LONG. A large, late variety for late fall and winter use. Grows 6 to 8 inches long. Deep orange color. Well adapted to nearly all soils. Plant this for your main crop carrot.



Oxheart Carrots

Celery

We list only two of the best varieties.

GOLDEN SELF-BLANCHING. The most popular celery. 60% of all celery grown being of this variety. An early variety good for home use, easier grown and a good shipper. Has a stem nature that the inner ones turn a beautiful golden yellow and blanching is easily accomplished. Very crisp, free from strings and fine flavor.

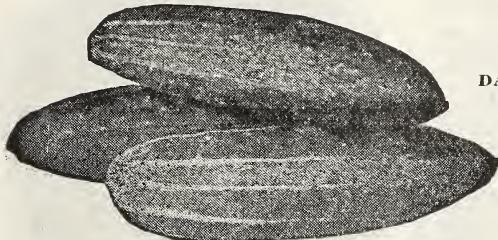
WHITE PLUME. An extra early variety. Good for gardeners early crop. Blanches a pure white.



Golden Self-Blanching Celery

Cucumbers

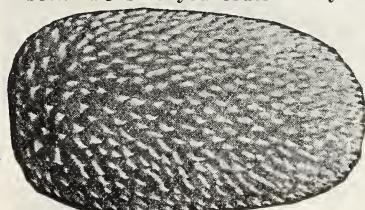
EVERGREEN WHITE SPINE. One of the best varieties for table use. Vine vigorous, producing abundantly over a long period.



Evergreen White Spine

pickling in the country. Medium length, slightly pointed at ends. Dark green, large spines.

KIRBY'S STAY GREEN. A large growing cucumber, fine for slicing or pickling. Heavy yielder and stays green for a long time. One of our best. Be sure you order Kirby's Stay Green.



Japanese Hullless

DAVIS PERFECT. Ideal shaped, large variety. Almost seedless and what few seeds, very tender and hardly noticeable. Dark green, slightly tinged with white at each end.

PROVED LONG GREEN. An old variety that is used a great deal as an all purpose variety. Very good for pickling.

CHICAGO PICKLE. One of the most popular



Pop Corn

AUSTRALIAN HULL - LESS OR JAPANESE. This is a very heavy yielder of attractive ears peculiar in form, being nearly as thick as it is long. The crowning merit lies in its popping qualities. It is a quick popper, fine flavor, absent of hull or shell, being soft and tender and of delicious flavor. Try a package of this for home use. Price 15 per lb. We also have white Rice at same price.

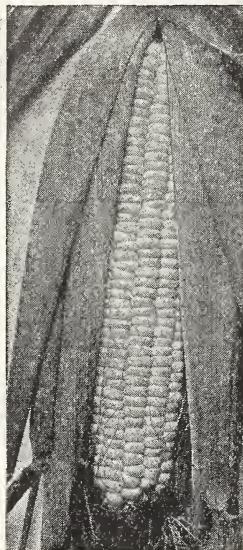
Gentlemen: We have been dealing with the Kelly Seed Co. for several years. Have found them to be a reliable firm and their seeds have always given satisfactory results. Please send your price list.

Lovington, Illinois.

Yours,

REEDY BROS.

Sweet Corn



Stowell's Evergreen

GOLDEN BANTAM. For early roasting ears, plant Golden Bantam, the earliest variety. Very sweet and delicious flavor. Golden yellow color. Rather small ear.

CHARLEVOIX. An early variety of white corn coming in soon after the Golden Bantam. A good market gardener's corn as it stays green for some time.

HOWLING MOB. A medium early white corn. Ears 7 to 9 inches long. Stalks strong and vigorous.

STOWELL'S EVERGREEN. Our best variety. One of the standard main crop corns. Has long been popular with gardeners, canneries and home gardens.

COUNTRY GENTLEMAN. One of the best for home gardens on account of its sweetness, tenderness and delicious flavor. Grain rather small in size, sets close on cob and very sweet.



Golden Bantam

The plant is splendid dark

BLACK BEAUTY. An early variety which when ripe is almost black. 10 days earlier than the Improved Purple. Very desirable for market as it holds its color a long time.

NEW YORK PURPLE SPINELESS. A large variety. strong and usually produces 4 to 6 large fruits of purple color.

Egg Plant

The plant is

BROAD LEAVED BATAVIAN. A variety having a broad leaf more or less tapered. Is much longer in growth than any other variety and has a flavor all its own.

LARGE GREEN CURLED. One of the hardest and best varieties for general use. It has tapered green leaves beautifully cut and curled and is easily blanched. Very crisp and fine flavor.

Lettuce

Another healthful vegetable. We should eat more of it.

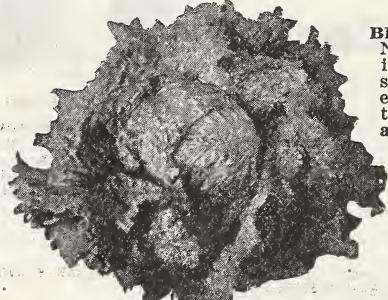
BLACK SEEDED SIMPSON. The best early variety we have. Makes a large bunch of tender leaves. Grows quickly and has a delicate flavor. Best for gardeners and home use.

EARLY CURLED SIMPSON. A crisp and tender variety of the loose leaf type. Very good for sowing early when ground is wet and cold. Sow thickly and cut when young.

GRAND RAPIDS. Originally a forcing lettuce. Of recent years have found it to be a good outdoor variety. Leaves loose-leaved and curled.

IMPROVED HANSON. A head lettuce. Has been leader of all head lettuces for over 40 years. Has large head, solid, tender and well blanched.

PRIZE HEAD. A good home use sort but not hardy enough for shipping.



Big Boston

BIG BOSTON
No doubt this is the best smooth leaved head lettuce making a flat smooth head something like the Flat Dutch Cabbage but not so large.



Black Seeded Simpson

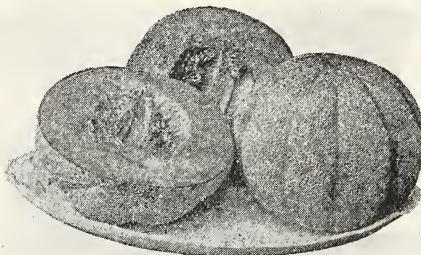
Delavan, Illinois.
Dear Sirs: For a number of years past practically all the farm seed used by me has been purchased from the Kelly Seed Co. Their seed has never failed to give satisfaction. We are now husking 8 bu. of corn to the 80-rod row from field which we planted with seed purchased from Kelly Seed Co. the past spring.

L. E. BROWN.

**KELLY'S
SEEDS GROW**

Muskmelons

A few years ago the muskmelon or cantaloupe was considered a luxury but today, during the season, they are eaten by the millions as part of a meal. **EXTRA EARLY KNIGHT.** An extremely early melon, medium variety, fruit oblong, skin deep green changing to golden yellow at maturity, well covered with a gray netting, well ribbed. Flesh fair-



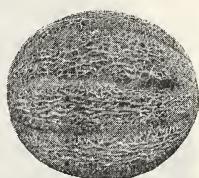
Hearts of Gold

ly thin and very sweet. One of the best pink meated varieties. Order this for garden or home use.

HEARTS OF GOLD OR HOODOO. Our best seller. Vines quite vigorous. Very productive and blight resisting. We sell a great deal of this variety to market gardeners. Has a thin rind but so very firm that it is an unsurpassed shipper. Gets its name from the golden yellow flesh which is very deep, larger than the Rocky Ford. Has a dense fine netting. Flesh fine grained. Will please the most exacting customers and delight your most particular friends. Be sure to order plenty of Hearts of Gold.

TIP TOP. A handsome variety, firm yellow flesh, sweet, fine flavor, thin rind, very attractive. Large size melon, slightly oblong, evenly ribbed, very productive.

EXTRA EARLY OSAGE. This excellent variety is fully a week earlier than the regular Osage. The fruit is a little smaller, more nearly round with a heavy netting extending over most of the surface. Very thick salmon flesh and small seed

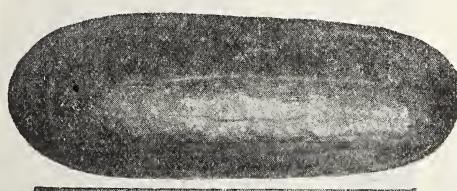


Rocky Ford

cavity, characteristics of the Osage, making this melon deserving of a place in home and market gardens.

ROCKY FORD. Has had a wonderful sale in the past and still a good seller. A green fleshed melon with thin gray netting.

ADMIRAL TOGA. A new small melon, very thick, yellow flesh. In this melon you have combined the good qualities of the Defender and the Rocky Ford. We consider this one of the best shipping melons.

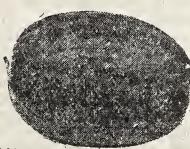


Halbert Honey

TOM WATSON. Our greatest of all shippers, an extra long large melon. This is the leading melon known to southern shippers, and one you see so often in the stores and markets. Average melon weighs 30 to 40 lbs. Has a very tough rind but not thick.

MONTE CRISTO OR KLECKLEY'S SWEET. Very fine melon for home use. Bright red meat, seeds white. Very long, dark green with thin rind.

SWEETHEART. A large round melon, light green color, slightly veined, with darker shade. Flesh bright red, firm. Very sweet and the fruit remains in condition for sometime after ripening.



Sweetheart

One ounce will plant 20 to 30 hills, 4 to 5 lbs. per acre.

HALBERT HONEY. As our best flavored melon we will put this first. Much like Kleckley's Sweet! Long, dark melon, 18 to 20 inches long. Has a thin rind, deep red meat, pulp free from stringiness.

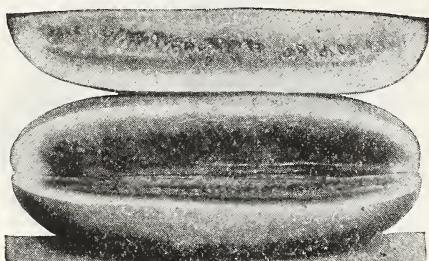


Tom Watson

Princeville, Illinois.

Dear Sirs: I am writing you these few lines to let you know I had splendid success with the clover and timothy seed I bought from your firm last spring. It was up to specifications in every way. I will want more this coming season.

Respectfully yours,
T. E. McCARTY,



Irish Gray

IRISH GREY. Last but not least. One of the best sellers and one of the best melons. A comparative new melon and one which you want to order. It will please you and this is what we like to do. Yellowish gray color with thin tough rind. Good shipper and a melon of fine texture, beautiful red meat and of delicious flavor. Shaped much like the Tom Watson. This melon takes a longer growing season than others so we would advise you to get it in early.

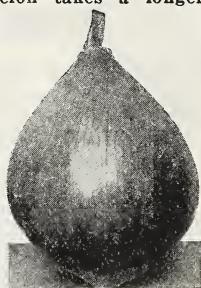
Onions

Prices are much lower than last year. One ounce sows a row 100 feet long. One of the

most nutritious and healthful vegetables having excellent medicinal qualities. Eat an onion sandwich before going to bed. A good remedy for colds and tired nerves. Always a ready sale for onions. Average about 600 bushels per acre, a profitable crop.

SOUTHPORT RED GLOBE. Our biggest seller and one of the best grown for market or table use. Ripens about 10 days later than the yellow variety. Very uniform in shape.

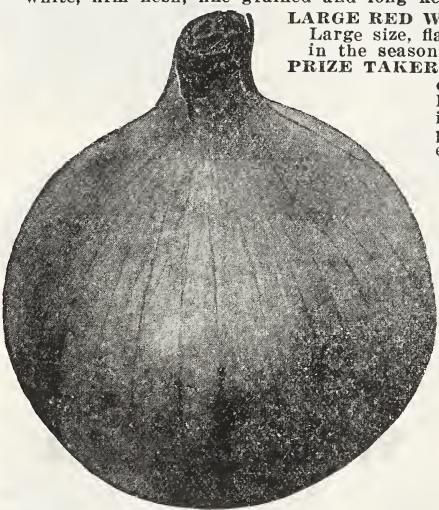
SOUTHPORT WHITE GLOBE. Most beautiful onion grown and what we think the best. Very mild flavored onion. Practically round shape, silver white, firm flesh, fine grained and long keeper.



Red Globe

LARGE RED WETHERSFIELD. One of the best standard varieties. Large size, flat, dark purplish red. Good for sets when sown late in the season.

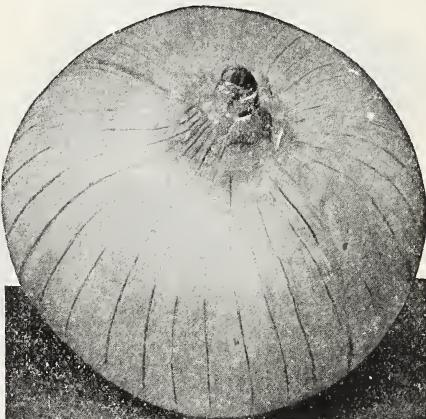
PRIZE TAKER. This variety produces a very large and handsome onion. Bright yellow color, mild flavor, grows very large, often weighing 2 lbs. To grow this size plant in February or March in shallow boxes and transplant. Not a long keeper but very good for fall and early winter use.



Prize Taker

WHITE PORTUGAL ONIONS.

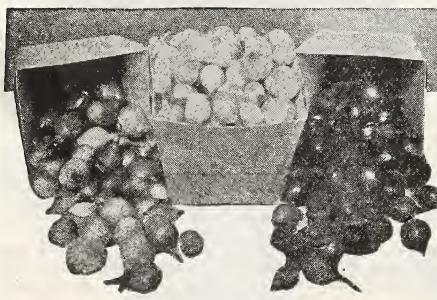
Large size, early ripening variety. Mild sweet flesh. Thin skin. Flat shape. Forms a fine grain. One of the best for table use.



White Portugal

Onion Sets

Onion sets are scarce this year on account of the floods early last summer, when thousands of acres near the Mississippi river, where a good part of the onion sets are grown, was flooded for weeks. We are making the lowest price possible under these conditions. Onion sets weigh 32 pounds to a bushel. This is the way we buy them, and we sell them the same way. We give more sets when you buy them by the pound than by the quart, as most onion sets are sold, not postpaid, including postage. Yellow or Red sets, 10c per lb., on small lots. 15 lbs., or more 8 1/2c per pound. White sets, very scarce, 15c per lb., 15 lbs. or more, 14c per pound.



Onion Sets

Garden Peas

2 lbs. sows 100 feet, $1\frac{1}{2}$ bushels per acre.

Peas are one of our specialties. Why buy canned peas from the stores, when you can grow and can them yourself at half the cost. Peas are high in protein, one of the essential food elements. Plant more this year.

FIRST AND BEST. As the name implies it is an early variety and one of the best. Good for gardens and shippers as it ripens practically all at once making only one or two pickings. Very productive for an early variety.



Nott's Excelsior

ALASKA. Another extra early variety and one sure to make a crop. Grows about 18 inches high. Very hardy variety. Can be planted soon as ground is fit to work.

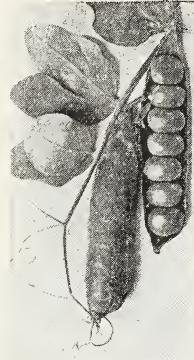
LITTLE MARVEL. A practically new pea and a marvelous producer. Grows 12 to 15 inches high. Very tender and sweet. Just the pea for new potatoes. A wrinkled pea, for home use or gardeners. Does not ripen all at once, lasting for some time.

NOTT'S EXCELSIOR OR AMERICAN WONDER. Another early dwarf wrinkled variety. Grows 10 to 12 inches high, pods 3 inches long containing 5 to 8 large peas.

LAXTONIAN. One of the largest podded of the dwarf wrinkled peas. Grows 15 to 18 inches high. Vigorous and productive. One of the best to plant for a main crop. Good for home or market gardeners.

BLUE BANTAM. A wrinkled variety similar to Laxtonian but a heavier producer.

MCLEAN'S LITTLE GEM. Vines very productive, 15 to 18 inches high, pods medium with 6 to 8 peas of fine quality. Seed green, large, wrinkled, one of the best maturing early varieties.



First and Best

Peppers

LARGE BELL or BULL NOSE. A large early sort of mild flavor. Plants vigorous. Grows about 2 feet high. Very productive. Ripens its crop early and uniformly.

RUBY KING. A very large pepper. Plants very bushy, thickly set with fruit. Very attractive. Deep green color when young. Bright red when ripe. Flesh thick and mild flavored. One of the best for table use.

Pumpkins

LARGE CHEESE. This is a flat green green colored pumpkin mottled with light green. Very tender and free from stringiness. Grows to medium size. Good for table and good feed for stock.



White Tipped

SMALL SUGAR OR PIE PUMPKIN. Very early and productive. Cooks quickly, and good quality. Rich orange color. Flesh very thick, fine grained and sweet.



Pie Pumpkin

Radishes

SCARLET GLOBE. Rich, bright scarlet color, flesh white and tender, especially good for early gardeners as this is a very early variety.

SCARLET TURNIP WHITE TIPPED. Our best early radish for market gardeners. Small tops and may be planted closely. Almost round in size. Order this variety for your early garden.

FRENCH BREAKFAST. A quick growing small olive shaped radish about $1\frac{1}{2}$ inches long by $\frac{3}{4}$ inches thick. Excellent for outdoor garden planting.

WHITE ICICLE. A very attractive pure white summer radish of excellent quality. Our best radish for summer use, both for gardeners or home gardens. Grows 5 to 6 inches long and 5-8 to 3-4 inches thick. Be sure you order this radish.



French Breakfast

Spinach

White Icicle

Another good medicinal plant. Something every one should grow and eat at least once a week.

IMPROVED THICK LEAF. A variety which grows rapidly, forming a cluster of very large slightly crumpled leaves of deep green color and good quality. Our best medium early sort for market and home garden.

BLOOMSDALE SAVOY. One of the best for early spring or fall use. Upright plant with thick, dark green leaves medium size. Not good quality for summer use as it seeds quickly in warm weather.



Early Summer
Crooked Neck

Squash

HUBBARD. One of the best winter squashes, vine vigorous and productive. Large size, heavy and moderately warted with very hard shell. Flesh of bright orange yellow, fine grained, thick, dry and richly flavored. Will keep all winter.

HUBBARD. One of the best winter squashes, vine vigorous and productive. Large size, heavy and moderately warted with very hard shell. Flesh of bright orange yellow, fine grained, thick, dry and richly flavored. Will keep all winter.

EARLY SUMMER CROOKED NECK. A well known standard variety, very early and productive. Color bright yellow. Shell very hard when ripe. Delicious. Medium size, fall and winter squash. Bright yellow flesh, fine grained, and is considered by many to be the most desirable for home and market.

KELLY'S
SEEDS GROW



Turnips



Purple Top White Globe

Tomatoes



Earliana

main crop tomato. uniform in size. for canning.



Grand Pacific

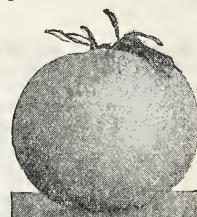
EARLIANA. A good early variety, a large, smooth tomato, very profitable for market gardeners and good for home use. Vines small but vigorous and productive. Medium to large, nearly round, bright red color.

JOHN BAER. Our best seller to gardeners and good for home use. Extra early scarlet variety of superior merit. Vines very hardy and productive, fruit the largest of the early varieties. Smooth very firm and of excellent quality. Ripens early and continues to ripen fruit longer than any other variety.

IMPROVED TROPHY. A very large mid-season or Rich deep crimson color, very solid, smooth, and vine large and productive. Very desirable tomato

BUCKBEE'S BEEFSTEAK. One of the largest varieties. Smooth, solid meated, very few seeds. Slices up like so much beefsteak. Very much like a Ponderosa but much better tomato.

GRAND PACIFIC. A wonderful tomato of tree type. A few years ago we had some of this variety of tomato which grew to be 11 feet high. A large, smooth, dark red tomato very productive. One vine will produce as many as 25 large tomatoes.



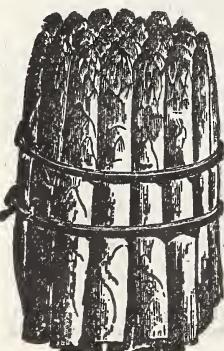
John Baer

Parsnips

HOLLOW CROWN or GUERNSEY. The best variety for table use. Roots, long, smooth, white skin, uniform size in shape, tender and of good quality. Leaves growing from crown of plant.

Miscellaneous

See our price list for the following: Cauliflower, celeriac, herbs, kale, kohlrabi, leek, mustard, okra, parsley, salsify, rutabaga and other kinds of different varieties of vegetables which we do not have space to describe.



Asparagus Roots

One of the gardeners best money making crops, and one which every person should grow. One of the earliest vegetables, very healthful. A good tonic when you need it. Easy to grow. 100 plants will make enough for the average family.

MARY WASHINGTON STRAIN. Rust resistant. The largest and tenderest green asparagus. This is a decided improvement over the Pedigreed Washington and the Martha Washington, being earlier, larger and longer. The credit for the development of this wonderful rust resisting strain is almost entirely due to the untiring efforts of Prof. J. B. Norton, member of the plant breeding staff of the United States Department of Agriculture. Our stock is grown at Peoria by an expert gardener. Postage paid, 50 for \$1.25; 100 for \$2.00; 1000 not prepaid, \$14.00. Buy a few hundred of this wonderful new asparagus.



Hollow Crown

Kayso A Casein Spreader

Kayso spreads evenly over leaves and fruit. Kayso is a spreader made from milk, which, when mixed with spraying material makes it spread evenly over tree, branches and fruit. To make it stick use Kayso.

Kayso keeps the spray from running off.

Kayso reduces the arsenical injury to fruit and foliage.

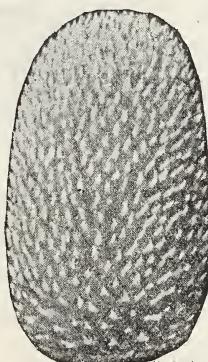
Kayso raises the market value of fruit because it prevents poison blotches and blemishes.

Kayso is a perfect emulsifier for oil sprays. Can be used in the hardest water.

Kayso simplifies spraying. Unskilled spraymen do better work in less time when Kayso is used in the spray solution. Use 1 lb. to 100 gallons of water. Price: 8 oz. 20c; 2 lb. pkg. 60c; 12 lb. bag, \$3.00.

Carbola

Carbola is a white mineral pigment, the same as used in the manufacture of paint. Carbola is not a lime or whitewash preparation but a paint. It is also a powerful disinfectant, 20 times stronger than Carbolic Acid, but it is not a poison or caustic and is harmless to man, bird or beast. So easy to use, no waste or straining. Comes as a powder ready to use as a dust or mix with water and apply with sprayer. You can mix Carbola today and use any time later. The use of Carbola in dairy barns, poultry houses, stables, hog pens and every place where stock is kept is a wonderful disinfectant to prevent diseases. Does not crack, flake or peel like lime. Adheres to brick, stone, wood, cement and even plaster board. Carbola is guaranteed to give satisfaction. Include some of this with your order for other goods. Price: 5 lbs. 65c; 10 lbs. \$1.10; 20 lbs. \$2.25; 50 lbs. \$4.50. Carbola is never sold in bulk. Duster for using Carbola, \$1.75.



Popping Corn

Fine quality, dry popping corn. Ready for the popper or skillet. Everybody likes pop corn. Make your own crackerjack. Better than too much candy.

Japanese Hulless, small thick ear, small grain. Best of all for popping. Add for postage. 1 lb. 12c; 5 lb. package, 50c; 10 lbs., 85c; 25 lbs. \$1.85.

Small White Rice, small grain, sharp toothed. Lb., 10c; 5 lbs., 40c; 10 lbs., 75c. For larger quantities, write for special prices.

ILLINI SOY BEAN

We cannot impress on you too strongly, the use of the new Illini soy bean, which was produced by the University of Illinois from a single plant selection of the AK variety, some nine years ago.

This bean, wherever grown this year, outyielded all other varieties, even producing more than the Dunfield, which is one of the best and heaviest yielding varieties of soy beans.

In central Illinois the Illini matured early, every year it has been grown before the killing frost. The best time for putting in soy beans is from the 5th to the 15th of May, and not around the first of June as many people do.

The average height of the Illini bean plant is around 38 inches. Pods are mainly three seeded and borne well above the ground. One of the best for combine use, as the average lowest pods are 5 1/2 inches from the ground.

On a five year test at the South Farm, University of Illinois, the average for the Illini was 42.1. Dunfield 36. Ebony 30.7.

We have thousands of bushels of this variety, bought direct from the combine. We bought 120 acres of Illini beans from one grower here at San Jose. Most all of our soy beans are from seeds which was certified, not further back than the second generation. Order your Illini beans early, as the demand for this variety is going to exceed the supply. We also have certified Illini beans.

Disease-Free Potatoes

SEMESAN BEL Makes Seed Potatoes Healthy

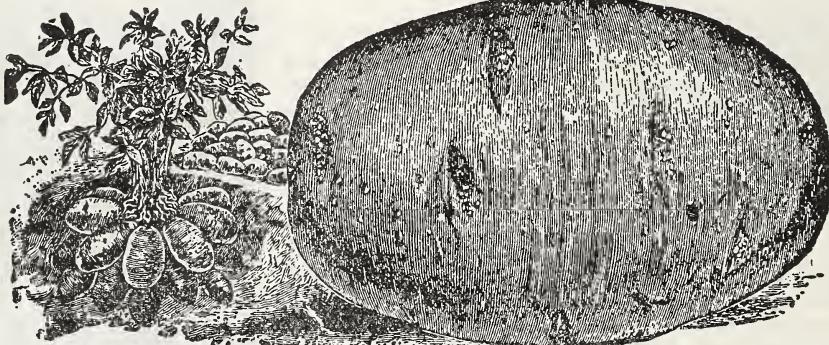
SEMESAN BEL, prepared especially for the seed disinfection of white and sweet potatoes, in addition to its advantages of dust application, is the only disinfectant which can be applied as an instantaneous dip. SEMESAN BEL instantaneous dip is sweeping the country and rapidly displacing the formaldehyde and bichloride treatments.

SEMESAN BEL, by controlling diseases which sap the vitality of seed potatoes, gives the seeds a chance to germinate quickly, producing sprouts of healthy vigor from which grow increased yields of clean, healthy plants and tubers. Applied to whole or cut seed potatoes either as a dry powder or a dip. Prices: lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$37.50.

SEND FOR FREE POTATO BOOKLET



SEED POTATOES

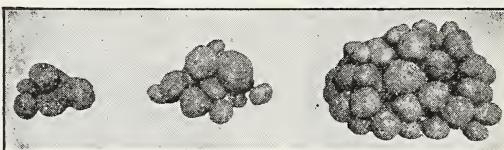


For years we have had many calls for seed potatoes and this year take pleasure in letting you know we can fill your orders with the best northern grown potatoes.

THE RED RIVER OHIOS are the best all around potato which enjoys the largest sale of any variety. This variety has blunt, round ends, oblong in shape, with medium eyes, has rather dark, smooth skin. Always treat with SEMESAN BEL for best results. Price: Bu. \$2.25; 2 bu. bag. \$4.25

IRISH COBBLER — One of the best yielding varieties. About five days later than the Ohio. White potato which is favored very much by the eastern trade. Almost round with deep set eyes. Cooks dry and mealy. Be sure to treat with Semesan Bel for best results. Price, 1 bu. \$2.10; 2 bu. bag \$4.00.

While we list only these two varieties we can furnish most any variety. Please let us know your needs and we will be pleased to quote your prices. Market prices change so much on potatoes that it is hard to quote for any length of time. All prices subject to market changes. Two bushels in a bag. Order this way if possible.



Saleable

Scabby

Primes

Semesan Bel Reduces Scab and Increases Profits.

These potatoes were grown from an equal number of the same lot of 100% diseased seed pieces as those shown in the preceding photo. Note the greater yield of prime quality potatoes and the smaller percentage of scabby or unsalable tubers obtained from the seeds disinfected with SEMESAN BEL.

CYANOGAS

Kill rats, groundhogs, woodchucks, prairie dogs, moles, and ants with Cyanogas. A puff or two of this deadly gas in their burrows will kill them within a few minutes. This deadly gas is heavier than the air and will travel down ten feet to the bottom of a hole and kill every living thing in it.

Rats destroy 200 million dollars worth a year in the United States alone.

Rats have fleas and carry disease.

Rats multiply rapidly. A pair of rats if undisturbed and none die can increase to 300,000 in three years.

Cyanogas A, dust, will kill rats where you cannot trap them.

Hand duster like cut shows, \$1.25. Large foot duster, \$3.50. Send for literature "How to kill rats."

Cyanogas A Dust in 1b. cans, \$1.00; Cyanogas A Dust in 5 lb. cans \$4.25.



Black Leaf 40

Forty per cent Nicotine. Powerful and effective liquid insecticide. By-product of the tobacco plant, which kills aphid, thripe and leaf roller. Recommended by florists and entomologists. This is the best thing you can use on roses and shrubs to kill any insects which feed on the leaves.

BLACK LEAF 40 KILLS CHICKEN LICE

One of the new and best ways to rid your chickens of lice, is to paint the roosts with Black Leaf 40. The heat from the fowl on the roost vaporizes this strong nicotine which kills the lice, but does not affect the fowl.

Chicken lice are the greatest hindrance to the raising of poultry and eggs. When a chicken's vitality is sapped by lice, it is much more susceptible to diseases, colds, roup, etc.

Prices: 1 oz. 25c; ½ lb. \$1.15; 2 lbs. \$3.00; 10 lbs. \$12.00.

Bermuda Onion Plants

Grow your own Bermuda onions. 11c to 20c per hundred, according to quantity. You can grow these big sweet onions in your own garden at a very small cost. They are not an experiment. We have grown them for 3 years. Had some 4 inches in diameter this year. Put these plants out early, same as other onion plants.



Frost Proof Cabbage

They may not look good when you get them but forget about the looks until time to eat the onion. They are much easier to raise than from seed and grow much quicker. Our plants are field grown and will stand light frosts. Order early. Price, 200 for 4c; 500 for 75c; 1000 for \$1.00 or crate of 6000 for \$5.00. Postage or express prepaid.



Bermuda Onion Plants

Frost Proof Cabbage Plants

The seed for these is planted in the fall of the year and makes a quick growth before winter sets in, then the cold weather holds them dormant. When spring comes they are tough and hardy and will stand our early frosts and unfavorable weather. They may show yellow and weather stained when you receive them but a few sunny days will bring them out and you will soon have cabbages ready to eat. No order filled for less than 50. If you cannot use this many share with your neighbor.

We have three varieties of cabbages. For real early, order Early Jersey Wakefield. For later order Copenhagen Market. For kraut cabbage or winter use, order Flat Dutch. Price 25c for 100; 75c for 200; \$1.25 for 500, or \$2.00 per thousand, postage paid.

A Few Bargains

When Ordered with Other Goods

Just a few sample bargains of what we offer at our stores.

Full weight galvanized bushel basket, dipped after being made up. Price: 50c. About 20 cents less than Sears Roebuck's price. Every farmer needs these for feed baskets. Used by city customers for ash baskets.

Seed Corn Nubbers, same style as some of our competitors are selling for \$1.25, our price, 35c. Our own pattern. Made right.

Large Size Chicken Coops. Regular \$1.50 value, \$12.00 per dozen; $\frac{1}{2}$ dozen, \$6.50.

Single Wheel Garden Plows. Regular price, \$4.25, our price, \$2.75.

High Grade, Heavy Duty "B" Batteries. Regular price, \$3.50, our price, \$2.50.

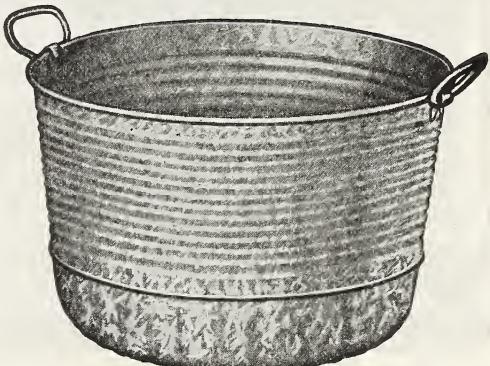
Tin Horn Seeders. Regular price, \$1.25, our price, 85c.

100 Pounds Crushed Oyster Shells. Regular price, \$1.25, our price, 80c.

Two Foot Hog Troughs, 65c apiece; 6 for \$3.50.

Heavy 5 Gal. Shipping Milk Cans, \$2.75.

5 Inch Adjustable Roof Saddle for Brooder, 90c.



Seven 1 Inch Heavy Line Snaps, 25c. 4 Gal. Compressed Air Sprayer with two foot hose, and one foot brass extension rod, \$3.65.

One Bushel Size, Galvanized Wall Mash Hopper, \$1.75.

Henry Disston, D-8 Hand Saw, \$2.50. Regular price, \$3.50. 8-Penny Common Wire Nails, \$3.25 per keg.



Germaco

Hotkaps

New Method of
Plant Protection

labor and money. Instead of using glass jars, leaves and shingles for protection of plants use Hot Kaps. Price: 100, \$1.50; 250, \$3.00.

A labor saving device for setting Hot Kaps accurately and evenly into the ground. Price: \$2.50, postage paid.

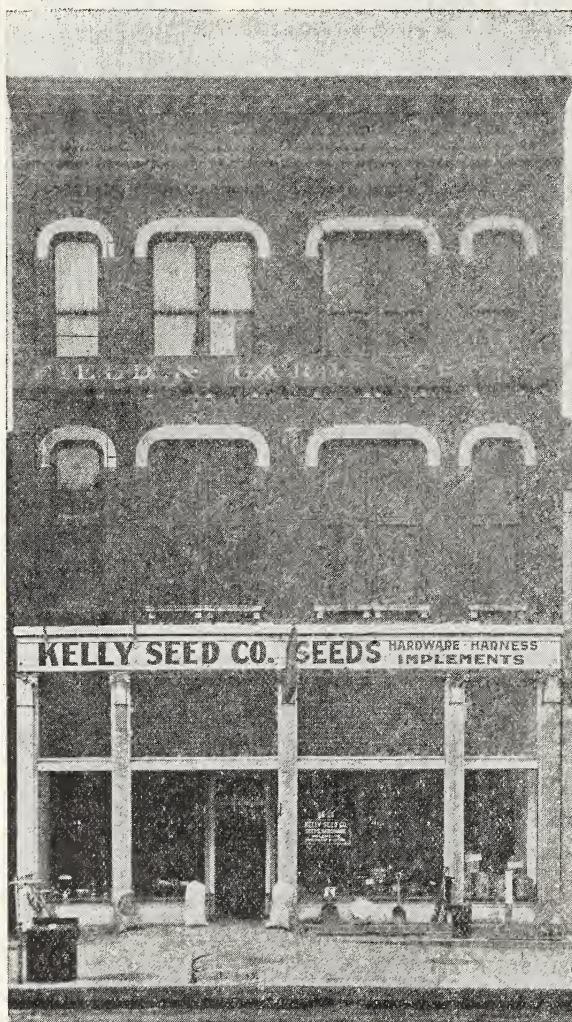
HOT KAPS—A Money Maker

Matures crops earlier, shields plants from frost, wind or rain. Protect them from insects, miniature hot houses, an amazing invention for crop insurance.

A revolutionary device that saves farmers much labor and money. Instead of using glass jars, leaves and shingles for protection of plants use Hot Kaps. Price: 100, \$1.50; 250, \$3.00.

Hot Kap Setter

A labor saving device for setting Hot Kaps accurately and evenly into the ground. Price: \$2.50, postage paid.



Our Peoria Store

This shows our Peoria store located at 116-118 South Washington Street, where we have a thirty-six foot front and a depth of one hundred seventy-two feet, having five floors. For a good many years we had a big trade around Peoria, and especially north of Peoria, which was where some of our very best trade came from.

San Jose was always a little unhandy, and a little out of the way for these customers. Four years ago, we bought the B. F. Adams Company, who had conducted a wholesale and retail seed and implement house at this place for over forty years, it being the largest and oldest seed business in the city.

We put a new front in this building, and remodeled the entire inside, putting in a complete stock of hardware, and today, we have one of the largest hardware stocks in the city, combining it with our seed business.

Last year we bought this building, and expect to make further improvements to make it more convenient for our seed trade.

We are well located here, both for a wholesale and retail trade, having a large basement, perfectly dry and steam heated. Opens on the alley level at the rear, making it very convenient for trucks driving in the building to load or unload.

This location is not only well adapted for our wholesale business, but also for our retail, trade being only one and one-half blocks from the busiest corner in find our location.

Peoria. For a stranger in Peoria, it is very easy to We are located on Washington Street, directly back of Block & Kuhl's store, just one block towards the river from Adams Street.

Peoria is the second largest city in the state, has a population of over 100,000, and growing every day.

Everybody goes to Peoria. Hogs are trucked to the Peoria market for 75 to 100 miles. When you haul your stock to Peoria, come to our Peoria store and buy your seeds, and take them home with you. We are always glad to meet our customers, and ask them to make our store their headquarters at all times when in Peoria.

Three hard road routes pass our door on Washington Street, the busiest street in Peoria.

We broadcast over station WMBD Peoria, every Thursday evening at 6:41 o'clock. Peoria now has a first class broadcasting station of 1000 watts, on a wave length of 208 meters, which is usually found on the average radio at 10.

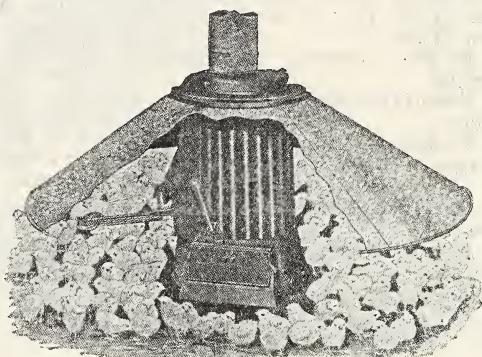
Seed markets change so rapidly, that we have taken this way to keep you posted. We come on this station just before the live stock markets are given out. We keep you posted on seed prices, and many other articles in which you are interested. Please remember the time, 6:41 o'clock, every Thursday evening.

MaKomb Giant Coal Brooders

We offer you the very best in the New MaKomb Giant Coal Brooder, which we think the only kind to buy. We offer you oil burners as good as any, but advise you to buy this big coal brooder.

The MaKomb people make a cheaper coal brooder in their standard, but why take a chance with a hundred dollars worth of chickens, and a three hundred dollar chicken house for a few dollars difference in a brooder stove.

Our price as you will note is very low for this big brooder stove.



The 52-inch MaKomb "Giant" in use

Soft Coal Handles Like Hard Coal Because

(1) Big coal capacity that does not burn out over night. (2) By-pass control checks fast burning fuel. (3) Fluted barrel tapering out downward lets coal settle without bridging. (4) Removable Baffle Plate that makes cleaning of soot easy.

The By-pass control can be obtained on no other brooder because its superior features are covered by broad MaKomb patents. Control is the heart of the brooder because chick health and growth depend on the maintenance of constant unvarying temperatures. By-pass control has the strongest draft and the strongest check. High winds blow without effect because the check damper, when open, pulls all the draft from the ashpit through the By-pass and not through the fire. This absolutely prevents the fire from running away. It takes this patented By-pass feature to handle soft coal perfectly.

Unquestionably the Most Convenient

Like a good workman the MaKomb Giant does its job without fuss, worry or watching. It substitutes mechanical perfection and refinements for human attention in a dozen different ways. The patented Removable Baffle Plate makes cleaning extremely easy and eliminates a dirty job when soft coal is used. It is lifted out with the shaker handle—a tap on the pipe knocks the soot down—and the plate is replaced. The new and exclusive tilting canopy eliminates clumsy ropes, pulleys, split or hinged sections and other complicated gadgets for performing a simple job. Simply lift the front edge rocking the canopy back on its pivots. It gives full and free access to all space under it. The unusually large hinged top door makes coaling a second's work. Pour it in right from the scuttle and remember you can pour in a lot at a time. The By-pass Control needs no watching—once set, always set. The handy shaker handle eliminates skinned knuckles and arm twisting. It is used to open the top door.

The Seven 1930 Improvements of MaKomb Giant

(1) A new barrel with heavy flutes extending from ashpit to top improves the appearance 100% and gives more radiation per pound of coal consumed. (2) The position of the grates has been improved—they now shake at the front and rock from side to side—no more dumping live coals on the litter—no more "fighting" the grates. (3) Improved wafer mounting for split-degree control with slanted bracket on which chicks will not roost. (4) A hair-balanced damper rocking on a steel rod—responds to the slightest wafer pressure. (5) A hinged cover plate over the damper makes it self-cleaning and protects its action because coal, ashes or soot simply fall through the hinged cover plate. (6) A new streamline By-pass channel tapered top and bottom. (7) A new 62-inch model tapering toward the top.

The MaKomb Giant Insures You These Actual Superiorities

Largest Actual Coal Capacities, 42-in., 35c lbs.; 52-in., 52 lbs.; 62-in., 73 lbs.

By-Pass control, patented superior.

Removable Baffle Plate, easy to clean.

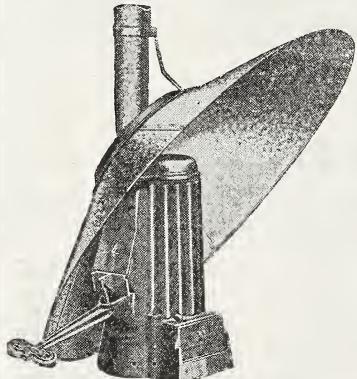
Exclusive Tilting Canopy, a revelation in convenience.

Five-in. stove pipe, none bigger.

One Piece Barrel—no joints, gas proof.

Heavy Rocker Grates—large in area.

The 7 1930 improvements.



The "Giant" tilting canopy is the most convenient ever invented.

CONSTRUCTION: Stove is heavy cast iron so substantial throughout that except when prohibited by classification we usually ship uncrated. The Canopy is made of heavy 26 gauge galvanized steel formed over accurate dies to exact dimensions with No. 6 wire rolled into outer edge to give great strength. MaKomb superior standards in every detail of selection of material and manufacture.

REMEMBER: The cost of the brooder is nothing to the value of the flock it helps replace. MaKomb maintains the vitality and laying power of the flock.

Specifications and Price List

Canopy Diameter	42 in.	52 in.	62 in.
Stove Pipe Size.....	5 in.	5 in.	5 in.
Actual Coal Capacity.....	35 lbs.	52 lbs.	73 lbs.
Actual Chick Capacity	350	600	800

Shipping weight,

Stove Crated	111 lbs.	132 lbs.	154 lbs.
Stove Uncrated	101 lbs.	118 lbs.	139 lbs.
Diameter of Grates.....	11 in.	11 in.	13 in.
List Price	\$12.50	\$17.00	\$20.00

Stoves are crated for express shipments only.

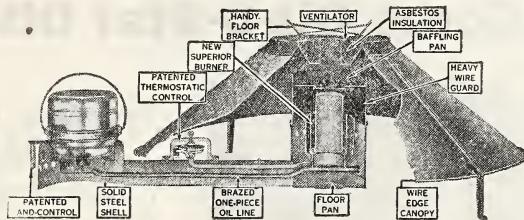
The Kerostat Automatic Oil Burner

The New Pilot Light Completes the "Kerostat"

Once again MaKomb shows the way to brooder perfection by adding a newly perfected pilot light to the popular Kerostat. This now gives limitless sway to its exclusive automatic control. No longer is there any danger of the flame going out. On warm days there will be no generating heat—but the pilot light will always be on guard to bring the heat back with a rush should the temperature drop. Hundreds of thousands of practical poultrymen have given the Kerostat the endorsement of long continued use. This NEW Kerostat will keep all the old customers and add thousands more.

The Ideal Burner

The Kerostat stove is the most modern expression of recent advances in Blue Flame Oil Burners. There is no wick, no gas and no fumes. It is completely guarded—sparks cannot escape—oil cannot reach the floor or litter. Below the burner is a pan one inch deep. Around it is the steel shell and above it the closely woven heavy wire screen and deflecting pan. The burner will last indefinitely. The special long inner tube gives it much greater flame range than any other type. Unusually high quality wire woven asbestos lighting rings are provided. Kerostat starts right in brooding on kerosene with no priming or fussing with dangerous gasoline.



Perfected Thermostatic Control

Nothing but weather changes can affect the extraordinarily efficient automatic control. It acts in direct response to two brass thermostatic wafers which raise or lower the burner to adjust the height of the flame. And that is the point that puts Kerostat in a superior class by itself. You will note that in all high grade kerosene cook stoves it has been customary to regulate the flame by manually raising and lowering the burner itself.

It does away with the cheap unreliable needle valve which sticks and clogs, nothing can equal it. Chicks cannot interfere with it. It is positive, simple, sturdy and dependable with moving parts armored by a sturdy steel shell. No oil pipe line worries in the Kerostat. There are no packed or sliding joints or valves to drip oil with accompanying fire hazards.

Kerostat Features

Thermostatic Flame Control with burner raising mechanism.

The New never-out pilot light.

100% automatic control.

Drawn Steel Shell.

Brazed one-piece oil line.

"So Easy" hand-setter.

No valves, floats or dangerous sliding joints.

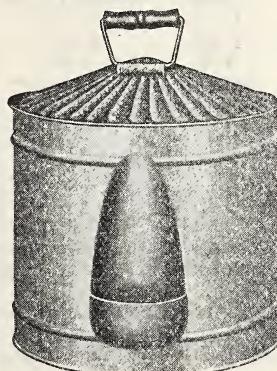
Leveling unnecessary.

Fully guarded burner.

Insulated, tip-back canopy.

Specifications and Price List

Canopy Diameter	32 in.	42 in.	52 in.
Type Canopy	Standard	Insulated Tip Back	Insulated Tip Back
Burner Diameter	3½ in.	3½	5 in.
Shipping Weight	37 lbs.	47 lbs.	51 lbs.
List Price	\$11.00	\$13.50	\$15.00
Chick Capacity	150	250	500

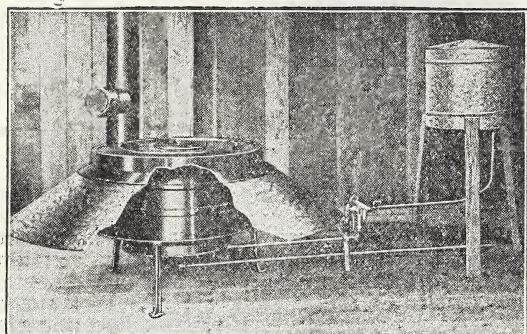


Standard Insofount

The Standard Insofount is big, thoroughly insulated and guaranteed water tight. It has a comfortable wooden handle and a new die drawn drinking cup with rounded dirt-free corners. This cup is by far the best, most attractive ever built into an insulated fountain. To test values, compare weights. Cheaper fountains are small, light in weight, and thinly insulated.

3 gal., wt. 14 lbs.	\$2.00
5 gal., wt. 19 lbs.	2.80

The MaKomb Oil-O-Stat Oil Burner



The King of Drum Type Oil Burners

With 1930 refinements that further increase its efficiency and economy, the OIL-O-STAT confirms its leadership among all drum type oil burners. The superiority of its exclusive design sets it apart from all other makes.

Check These Points Carefully

(1) The Oil-O-Stat burns distillate or furnace oil and immediately saves you from one-third to one-half of your fuel bill over kerosene burning brooders. (2) Exclusive baffle chutes make flame travel 18 feet. (3) Twin Blast burner needs no priming with kerosene and simply won't go out. (4) Has limitless heating range. (5) Ventilates as well as heats the brooder house. (6) Automatic draft adjuster for economy. (7) Eliminates fire hazards. (8) Has a superior die-cast valve with new sediment trap. (9) Entirely free of smoke or gas. (10) in fact an all around marvel of brooder engineering at a price that brings it within the reach of everybody.

The Twin Blast Burner

Oil-O-Stat can throw more heat than you could ever use even on the coldest of winter nights. Or it can burn so low that it holds hardly more than a pilot flame. This is due to the famous TWIN BLAST BURNER so called because it forces twin columns of superheated air over both the inside and outside of the ring of flame. It burns ordinary distillate and starts right up on it without fuss or priming. This unique burner produces an intense blue white and pale yellow flame through its entire range. From a tiny candle flame to a leading hot blast, there is always perfect combustion and economy. The burner is not put out when it is cleaned by a touch or two of the handy tool we furnish.

Hook the Oil-O-Stat on to a 50-gallon drum and forget your brooding troubles—the Twin-Blast can be left absolutely without attention for weeks on end.

Specifications and Price List

	Standard	Junior	Senior
Canopy Diameter	52 in.	62 in.	42 in.
Chick Capacity	600	1000	300
Drum Diameter	24 in.	24 in.	17 in.
Capacity Oil Tank.....	8 gal.	8 gal.	4 gal.
Flue Size	5 in.	5 in.	4 in.
Shipping Weight	112 lbs.	120 lbs.	80 lbs.
List Price	\$23.50	\$25.00	\$16.50
			\$18.00
			\$27.50

STANDARD WITHOUT CANOPY—Shipping Weight 88 lbs.
List Price \$20.00.

Model Differences

Junior: 17 inch drum with once around flame travel—5 gallon oil tank—burner smaller than Standard or Senior—no cast iron flue collar—an exceedingly efficient conventional brooder.

Standard: 24 inch drum with three-times-around flame travel—cast iron flue collar—10 gallon fuel tank.

Senior: The most efficient method of heating entire brooder house—32 inch drum with twice-around flame travel—no canopy.

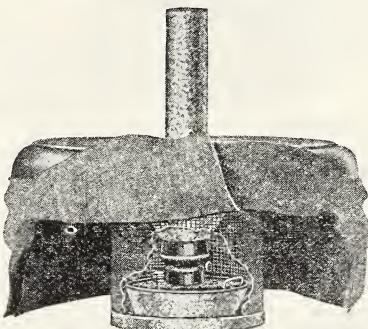
Important Details of the MaKomb Oil-O-Stat Oil Brooder

The new Oil-O-Stat has built-in efficiency. Heater is ample in size and made from 24 gauge sheet steel. The 10-gallon tank is of galvanized steel with positive shut-off valve and brass strainer screen. Cast iron top trimming and flue collar add to the appearance of the drum. It is supported on heavy cast iron legs leaving the floor clear for use. The piping is all $\frac{1}{4}$ inch galvanized cut to length and positive threaded ready to set up with ground, leakproof couplings. Complete installation is a matter of minutes. 1930 improvements: New automatic die cast valve: Larger drum giving more heat travel and radiation; new burner that improves combustion by preheating air.

The Red Hen Lamp Brooder

The Red Hen Lamp Brooder for 1930 is the old favorite with several important improvements. The heating drum has been lowered and throws more heat, thus eliminating fumes and smoke caused by forcing with too high a flame. The flame can be adjusted without lifting the brooder and a mica window in the top enables the operator to keep an eye on it. The top section consists of two metal walls between which the heated air circulates. This gives uniform heat and prevents chick crowding. The slitted double curtain of heavy flannel can be removed. Diameter of the brooder is 16 inches.

50 chick capacity, \$3.75 complete
Shipping Weight, 10 lbs.



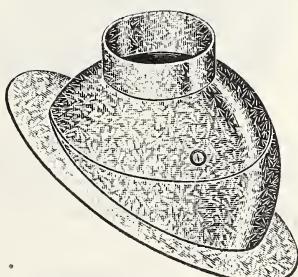
Open to feed

Adjustable Non-Spill Feeder

Pat. App. for

This feeder is ideal for clabber or buttermilk because it prevents spilling when being inverted after filling. Despite this exclusive non-spilling design, it has a large free flowing opening. The method of this perfected idea is clearly shown in the illustration. Thin wet mash, dry mash or any liquids may be fed. Eight hole pan. Chicks can't climb in. Best grade fire stoneware glazed inside and out. One gallon size only.

One in a carton. Wt. 11 lbs.....\$0.90
Six in a crate. Wt. 80 lbs.....\$5.00



Adjustable Roof Saddle

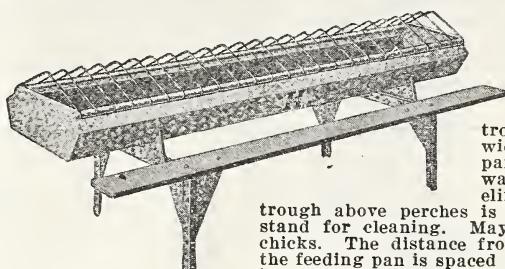
At last, a perfected saddle from which MaKomb has lifted the high price barrier. Every Coal Brooder or Drum Type Oil Brooder pipe should be installed through this MaKomb Roof Saddle. It is beautifully simple—just two spheres rotating one over the other—but exceedingly efficient. The illustration shows the construction clearly. The upper shell is locked where desired by two set screws. The Saddle is formed over new and accurate dies from the best Tite Coat Galvanized Steel. It comes complete with Rain Cap but without pipe.

4 in. size. Wt. 3 lbs.....\$0.85
5 in. size. Wt. 3 lbs..... .90

Adjustable roof saddle and rain cap.

More and Better Poultry Supplies Needed

With the increasing of the size of your flocks you need more and better equipment to handle them on a paying basis. In the poultry business you must have the proper equipment to make the business pay. In the Hudson line we offer you one of the very best lines. Not as cheap as some but as good as the best and better than the most.



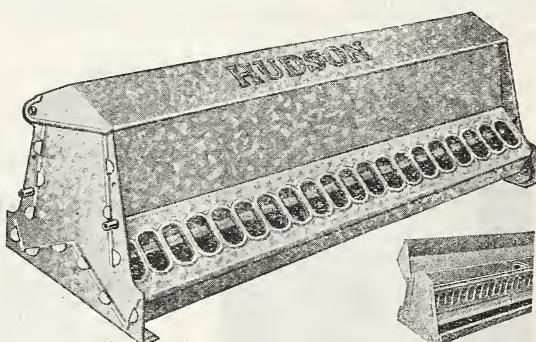
trough above perches is adjustable; trough is removably mounted on stand for cleaning. May also be used as a floor feeder for growing chicks. The distance from the top of the feeding board to the top of the feeding pan is spaced so that feed never becomes soiled by droppings, insuring clean feed at all times. Hinged grill swings open for filling or cleaning.

No. 245S. 5 Foot Mash Feeder, One in carton K. D. Shipping wt. 24 lbs.....\$5.00
No. 243S. 3 Foot Mash Feeder, One in carton K. D. Shipping wt. 18 lbs.....\$4.00

Capacity Chick Feeder

Inexpensive baby chick feeder for large flock. Sloping hinged top prevents roosting. V-shaped bottom throws feed toward outside and prevents clogging. Made in three sizes. Adjustable guard regulates quantity of feed in trough. Shipped set up.

CF24, Cap. 10 lbs., Length 24 in., Holes, 34, Ship. Wt. 34 lbs., Price, \$1.00.
CF36, Cap. 15 lbs., Length 36 in., Holes, 54, Ship. Wt. 10 lbs., Pkd. Cart., 1, Price: \$1.50.
CF48, Cap. 20 lbs., Length 48 in., Holes, 72; Ship. Wt. 12 lbs., Pkd. Cart., 1, Price: \$1.85.

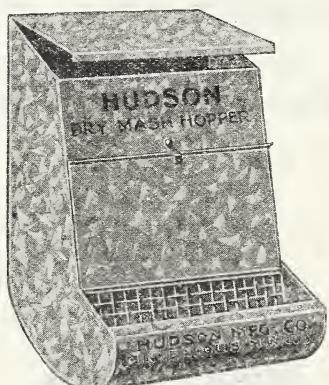


WALL MASH HOPPER

This Hopper is arranged to hang on the wall the desired distance from the floor and need never be removed from the wall to be refilled. The rounded bottom and gradual enlargement from top to bottom prevents feed from clogging in hopper. The wire screen inside prevents the feed from being wasted. When both covers are closed it is rat, mouse and weather proof. Made in four sizes from galvanized iron.

Ship. Wt.

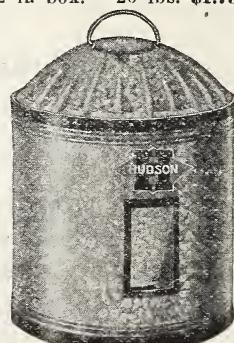
No.	Height	Width	Cap.	Packed	Per Box	Price
MH1	18 1/2 in.	9 in.	10 qts.	6 in box.	26 lbs.	\$1.00
MH2	18 1/2 in.	12 in.	14 qts.	4 in box.	23 lbs.	\$1.30
MH3	18 1/2 in.	18 in.	22 qts.	4 in box.	28 lbs.	\$1.55
MH4	18 1/2 in.	24 in.	32 qts.	2 in box.	20 lbs.	\$1.75



HUDSON THERMO WATERER

Hudson insulated Waterers packed with a non-conducting material which retains temperature of water and operates on principle of fireless cooker. In winter water will stay warm for 10 to 12 hours and no heating apparatus is necessary. For summer use, it will keep the water cool and fresh. Unusually well made and attractive in appearance. The drop handle on the top of the fountain prevents the birds from roosting.

No.	Capacity	Weight Each	Price
PF2	2-gal.	16 lbs.	\$2.25
PF3	3-gal.	20 lbs.	2.50
PF5	5-gal.	36 lbs.	3.00



HUDSON INSULATED WATERER Improved

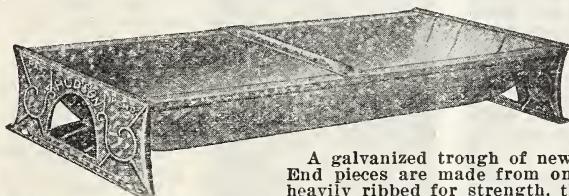
The Hudson PW6 Waterer replaces our old style PF8, and has many new and original features. This Fountain operates on the fireless cooker principle. In the winter it is filled in the morning with water at about 100 degrees Fahrenheit. The insulated jacket cover is then slipped into place and locked into position by the special latch. **THAT IS ALL.** No clamps, valves or corks to adjust and pull out. Water placed in the fountain at 100 degrees with the outside temperature at zero will remain unfrozen for many hours. This fountain is very desirable for use in hot weather as it will keep the water cool for a considerable time. Of particular value because your poultry will be drinking water of uniform temperature the year around.

Easily CLEANED. Unfasten, turn upside down and fill. Base holds waterer up out of straw and litter.

SPECIAL FEATURES

1. Simple locking device holding insulated cover to drinking trough, so that fountain may be carried with one hand by drop handle.
2. Cross bar handle in tank unit provides easy means of carrying to water supply for filling or cleaning.
3. Valve automatically stops flow of water into drinking trough when insulated cover is removed.
4. Grooved recess in insulated cover permits air bubbles to get into fountain easily and assures uniform level of water in trough.
5. Skirt on insulated cover rests on bottom of drinking trough and prevents water from gushing out. A dry floor is thereby assured.
6. Drop handle on cover can be grasped without removing mittens and prevents fowls from roosting.

No. PWG. WATERER, capacity 6 gallons, one in carton. Price, \$4.00.



A galvanized trough of new design with one-piece pressed bottom. End pieces are made from one-piece pressed with turned edges and heavily ribbed for strength, these ends securely attached and braced against body of trough making very rigid construction. All edges are carefully folded under giving double strength. Tubular cross braces one foot apart. All troughs over four feet long are 20 gauge and have an extra support in center. Shipped two troughs to a bundle, securely wired together.

	Length	Weight	Price		Length	Weight	Price
No. H1½ Trough	1½ ft.	4 lbs.	\$0.60	No. H6 Trough	6 ft.	17½ lbs.	2.00
No. H2 Trough	2 ft.	4½ lbs.	.65	No. H8 Trough	8 ft.	23 lbs.	2.50
No. H3 Trough	3 ft.	7½ lbs.	.90	No. H10 Trough	10 ft.	29 lbs.	3.50
No. H4 Trough	4 ft.	10 lbs.	1.25				

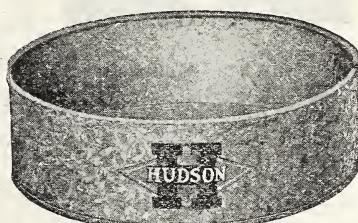
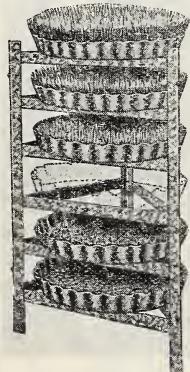
HUDSON ROUND TROUGHS

For Poultry Feeding and Watering

Widely used for feeding small pigs and hogs. Handy for many farm purposes. May be used for refrigerator drip pans, for displaying of seeds, fruits, auto accessories, for use in garages as oil retainers, and the washing of small parts.

No. HP-14. A guaranteed water tight pan. Has flat bottom with double seamed edge. Top rim 5-16 inch rolled inside. Made in three diameters, 13½, 14 and 14½ inches. All 4 inches deep. Three pans nested, one in another with four nests, or one dozen pans in a shipping carton, reducing space required for shipping or handling. Pans shipped in this manner take third class freight rate on local shipments.

No. HP-14. TROUGHS. Weight per dozen 33 lbs. 45c each.

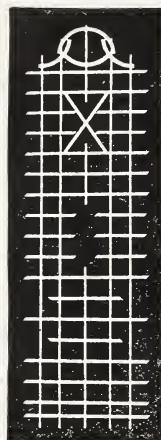


No. HP-14

Improved Oat Sprouter

Six pans; five have perforated bottoms for drainage and are interchangeable. Bottom pan solid to hold drippings. Solid frame shipped completely knocked down, and may be erected in a very few moments by tightening up six stove bolts. For best results place Sprouter near furnace or in room with temperature 65 or 70 degrees. Use good oats, soak in warm water for 12 hours, then fill trays to depth of about one inch. Sprinkle and stir daily until sprouted, and then discontinue stirring. Diameter of pan 16 inches; height 30½ inches. Shipped completely K. D. and nested, taking lowest rate of freight. Shipping weight 20 pounds. One in carton. **No. 6 Improved Oat SPROUTER.** Price \$3.00

Trellises, Arches, and Pergolas



Square Trellis No. 55

Especiall y good for climbing vines. Can be used in single sections or in groups. Height 8 feet, width 17½ inches. Painted white. **\$1.40.**

Double Triangle Trellis No. 52

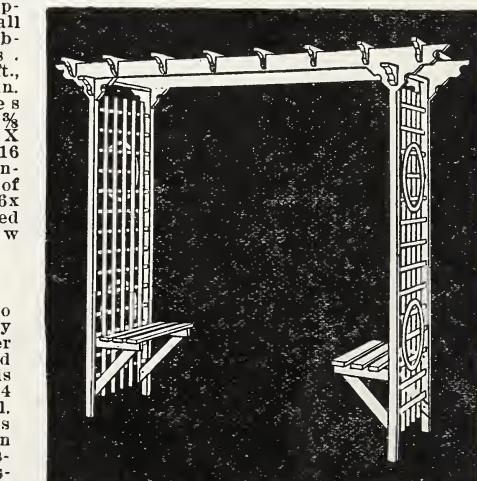
Same as No. 53, but double triangle in center. Height 8 feet, width 17½ inches. Painted white. **\$2.25.**

Arcadia Trellis No. 21

Has an unusual and very attractive top design. Offers an especially good support for all kinds of climbing vines. Height 8 ft., width 30 in. Curved pieces are 1 in. by $\frac{3}{8}$ in. size. X pieces are 5-16 in. by $\frac{1}{4}$ in. Entire balance of trellis is 9-16x 13-16. Painted pure snow white. **\$3.25.**

THE BEVERLY PERGOLA NO. 78

The end trellis designs into each of which two circles are worked, give this Pergola a very tasty appearance. The comfortable seats offer a happy place to rest and enjoy the beauty and fragrance of the climbing vines. Framework is 2 in. by 2 in. Cross pieces at top are 2 in. by 4 in. Trellis work is of clear selected material. Entire pergola painted a pure snow white. Ends of pergola are 7 ft. in height and 26 inches in width. Width of top section is 35 inches; measurement across the entire top is 8 ft. The distance between uprights is 6 ft. Shipped in three sections. **\$18.00.**



There is nothing which adds more beauty to a lawn and surroundings, than these items which cost but little. They come in complete sections, ready to be set up, painted pure white. They are sturdily constructed from good clear stock, and designed to give greatest strength. These styles are especially attractive, and each in use becomes a beauty spot which none can overlook.

All Trellises, Pergolas and Arches should be fastened to heavy stakes driven in the ground so lower ends of uprights are two or three inches above ground level.

FAN TRELLIS NOS. 5, 6 AND 8

For large climbing vines or flowers. A beautiful sight when covered with roses or other free-blooming climbers. Easy to erect and very inexpensive.

No. 5—Height 5 feet, spread 30 inches. Five ribs. Three spreader bars. Painted pure white. **Price: \$1.25.**

No. 6—Height 6 feet, spread 45 inches. Has seven ribs, which are supported and held in position by four spreader cross pieces. Painted pure white. **Price: \$1.65.**

No. 8—Height 8 feet, spread 60 inches. Seven ribs. Four spreader cross pieces. Painted white. **Price: \$2.80.**

ADJUSTABLE TRELLIS

Shown at left, can be used either in upright or horizontal position. Three sizes:

No. 35—35 inches wide folded, or 30 inches extended to 8 feet, or 20 inches extended to 12 ft. **\$2.00.**

No. 47—47 inches wide folded, 40 inches opened to 8 feet, 30 inches opened to 14 feet. **\$2.50.**

No. 71—71 inches wide folded, 63 inches opened to 8 feet, 32 inches opened to 16 feet. **\$3.75.**

John Deere Implements

We carry a large stock of John Deere implements at Peoria and San Jose, and if you are near Peoria or San Jose be sure to get our prices on any implements, farm or truck wagons. We will make you a price delivered to your station. Also agent for the Pekin Wagon.

PLOW SHARES

We carry a stock of John Deere Plow Shares at Peoria to fit any John Deere Plow.

BINDER AND MOWER REPAIRS

John Deere—carry a stock of these with us for your convenience. Orders shipped promptly.

Nails, Smooth Wire and Fencing

We contract these, several cars at a time and are in position to make very low prices. For large lots, please write for special prices. We quote on small lots, F. O. B. Peoria or San Jose. All wire fencing, barb wire, and smooth wire, is the very best, coated with pure zinc. Full gauge wire, no cheap mail order fencing. No better made.

80 rod roll, No. 12 cattle barb wire.....	\$3.25	939-6-9, 80c rod; 12 inch stay, 58c rod.
80 rod roll, 12 gauge hog barb wire.....	3.50	1047-6-0, 95c rod; 12 inch stay, 70c rod.
No. 9 galv. smooth wire, 100 lbs.....	3.25	1155-6-9, \$1.10 rod; 12 inch stay, 75c rod.
No. 12 galv. smooth wire, 100 lbs.....	3.50	

NAILS

16 penny common, or larger, per keg.....	\$3.50
8 penny common, per keg.....	3.25
10 penny common, per keg.....	3.60
3 penny galv. shingle nails, per keg.....	6.50
Large headed, galv. roof nails, per keg.....	6.25

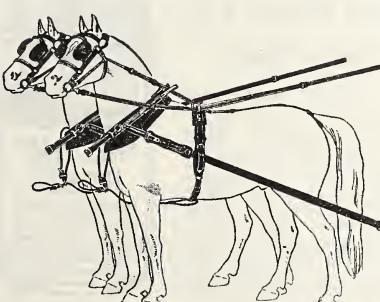
WIRE FENCING

How to read specifications of fence 726-6-11, means first the number line wires (7), the next two figures the height (26 in.), the next figure the lengthwise spacing which is 6 inches, and the next two figures (11) is the size of the wire. Price, 45c per rod.

726-6-12½, 35c rod; 12 inch stay, 25c rod.
726-6-11, 45c rod; 12 inch stay, 33c rod.
832-6-12½, 37c rod; 12 inch stay, 30c rod.
832-6-11, 50c rod; 12 inch stay, 38c rod.
939-6-12½, 42c rod; 12 inch stay, 32c rod.
939-6-11, 60c rod; 12 inch stay, 45c rod.
1047-6-11, 58c rod; 12 inch stay, 47c rod.
1155-6-11, 70c rod; 12 inch stay, 55c rod.

ALL NO. 9 WIRE

726-6-9, price 60c rod; 12 inch stay, 45c rod.
832-6-9, 70c rod; 12 inch stay, 50c rod.



you receive it all we ask is for you to return it to us and your money will be refunded. We paying the charges both ways.

Description: Bridles adjustable, ring crowned, short cheeked, combination front and winker brace $\frac{1}{8}$ in., extra heavy (most bridles being made $\frac{3}{4}$ in.), lines $1\frac{1}{2}$ in. x 20 feet long with snaps; hames 92 ball top, ironed both inside and out; traces $1\frac{3}{4}$ in., screwed in cock eye; hame tugs $1\frac{1}{4}$ in. Moehler, adjustable trace supports, hook and terret pads, stuffed bottoms. Turn back, folded crupper either buckled or sewed on. Belly bands $1\frac{1}{4}$ in. folded. Breast straps $1\frac{1}{2}$ in. wide, cut 66 inches long, doubled at ring, sewed loops and metal slides. Pole straps full $1\frac{1}{2}$ inch long with ring sewed in for breeching. Hame straps 1 inch; collar straps $\frac{3}{8}$ in.; spread straps $\frac{5}{8}$ in.; hitch straps $\frac{3}{8}$ in. wide by 7 feet long, with loop. We can furnish this harness either in XC bright finish or black Japanned finish. Made right and of the very best leather. Price complete \$50.00. Full length $1\frac{1}{2}$ traces with heel chains, same price.

STRAP WORK—Just a few every day items. None better

EXTRA HEAVY TEAM BRIDLES, like in above harness, per pair, \$9.00.

TEAM LINES, $1\frac{1}{2}$ inch by 20 feet long, with snaps, per set, \$6.50.

TRACES, $1\frac{1}{2}$ inch, 6 ft. 6 inches long, sewed in cock eye, per set, \$11.00.

POULTRY AND RABBIT FENCING

15½ filler, close spacing, top and bottom $12\frac{1}{2}$ gauge.

16 wire, 36 in. high, 6 in. space, 15½ filler, 42c rod; 14½ filler, 45c rod.

19 wire, 48 in. high, 6 in. space, 15½ filler, 50c; 14½ filler, 55c rod.

22 wire, 16 in. high, 6 in. space, 15½ filler, 57c rod; 14½ filler, 70c rod.

25 wire, 72 in. high, 6 in. space, 15½ filler, 65c; 14½ filler, 75c rod.

No. 10 top and bottom, 12½ in. filler, heaviest chicken fence.

19 wires, 48 in. high, 6 in. space, 12½ filler, 80c.

22 wires, 60 in. high, 6 in. space, 12½ filler, 90c.

STEEL FENCE POSTS

Heavy studded T posts, same as red top only painted all red, including seven wire fasteners for each post:

6 ft. long, 35c each; 6½ feet long, 37c each; 7 feet long 39c on 100 or more, one cent per post less. For large lots of posts or wire fencing, write us.

Team Harness

All harness or strap work is considerably lower than last year on account of the lower price of hides.

We carry many different kinds of harness in stock both at Peoria and San Jose. If you are near enough to come to San Jose, we will be glad to show you our entire line.

We give you a description of our leader which is made up to our specifications and which, we think, is the best harness made. All No. 1 oak tanned leather, which if not entirely satisfactory may be returned at our expense and money refunded.

Most mail order houses try to sell on just price alone but we offer the best and at a fair price. This harness is made out of the very best No. 1 oak tanned leather, sewed with pure linen thread and is full size in every way. No small or skimped harness but as good as is made.

We will ship one of these sets either slip tug or tight. If it does not look to be worth the money when

tight. If it does not look to be worth the money when

we pay the charges both ways.

BREAST STRAPS, 1½ inch, cut 66 inches long, sewed loop, \$1.00.

BREAST STRAPS, 1½ inch, riveted loops, each, 75c.

HITCH STRAPS, ¾ inch by 7 feet with metal loop, each, 50c.

HITCH STRAPS, ¾ inch by 7 feet with metal loop, each, 60c.

No. 1—¾ inch hame straps, hand sewed loop, each, 25c.

No. 1—1 inch hame straps, sewed loops, each, 30c.

SEVEN 1 INCH LINE SNAPS, 25c.

Binder Twine

We buy binder twine on a jobbing basis, selling several carloads every year. While the price is not set yet, we ask you not to forget us and give us a chance to figure on your needs. By March 1st we will have our prices. We will quote freight paid to your station, or call at our stores. Made by one of the largest makers of twine.

SWEAT PADS

Prices lower than Sears & Roebuck. Red Edge, 11 inch draft collar pad, composite stuffing, five rows quilting, four hooks. Best pad of this kind made. All sizes up to 22 inches, 45c each; 23, 24, 25 inch, 50c.

Same pad but with drill facing and brown bock, size up to 22 inches, 65c each; 23, 24, 25 inch, 70c each.

KING

10 inch draft, filler padding made of human felt, lined with high class black glazed drill. Heavy brown front, overseamed edges, 4 hooks. This pad is what we think the best made for a thin pad. Drill goes next to the horses shoulders. This drill is smooth, easily cleaned and does not chafe like a felt pad. Price, all sizes up to 22 inches, price 65c each; 23 inches and larger, price 70c each.



Turn Garden Refuse into Manure

Every bit of non-woody refuse that comes from your garden—cuttings, leaves, vines, etc.—should be mixed with "ADCO" kept moist and thus converted into high grade manure.

It is very simple and not a bit laborious—and every garden NEEDS manure.

Prices: — 25 lb. bag, \$2.00.
Enough for 12 wheel barrow loads of garden waste, making a half ton manure.

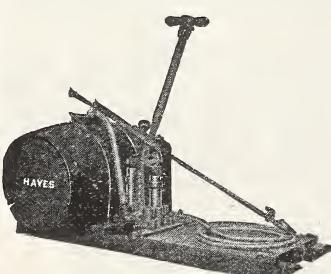
Spray Your Plants This New Safe Way

A highly effective non-poisonous insecticide. Absolutely harmless to man, live stock, birds and will not gum sprayers. Will not injure rubber, metal, hands or clothing. Tests show EVER GREEN to be effective against cutworms, cucumber beetles, cabbage worms, aphis (plant lice), leaf hoppers, thrips, rose slugs, melon beetles, currant worms and most other insects, both chewing and sucking. Being non-poisonous it is mailable. One gallon makes 800 gallons effective aphis spray. Prices: 1½ oz. 35c. (makes 9 gallons spray); 6 oz. \$1.00; 16 oz. \$2.00; 32 oz. \$3.85; gallon bottles, \$13.00. Full instructions with each bottle.

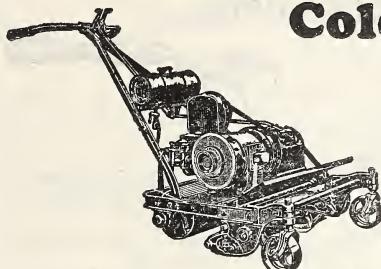


Hayes Barrel Spray Pumps

Here we offer you a 50 gallon barrel spray, all complete, bolted to a good, heavy skid which can be pulled by a team of horses, or placed on a hay rack. Capable of producing a 200 lb. spray with the heavy duplex pump. Barrel made of oak, selected material, and will last for many years. Just the outfit for 50 to 100 trees. Has automatic agitators. Can be so arranged to supply two nozzles. Comes equipped with 25 feet of heavy spray hose and extension pipe with nozzle. Price, complete, \$50.00.



Coldwell Power Mowers



We have handled many different mowers in the past 24 years, and find some good and others not so good. In the Coldwell Power Mowers we offer one of the oldest and best known line. We carry them in different sizes. These are not assembled mowers but built complete at their Coldwell Cub Power Mower factory.

We do not have space to give a detailed construction of this line, but ask you to send for catalogue and prices on one entire line, or if possible, come to our Peoria store where we have them in stock and we will be glad to show them.

The Cub

THE CUB is a well built 21 inch machine, detachable front cutting unit and a full width drive roller. Separate clutches control the cutting unit and the traction roller. Has force feed oiling system, single cylinder four cycle powered engine. High tension Bosch ignition system.

A light, strong, easily handled mower, so simple that an inexperienced man can understand and operate it. It is made light and strong by using steel and malleable iron where best adapted. Price: \$190.00.

Heavy Type, Two Cylinder Mower

The very latest thing in power mowers.

NOTABLE FEATURES IN THIS COLDWELL MODEL

Powerful 2-cylinder water cooled motor. Automatic lubrication. Self-adjusting clutches which release automatically if knives pick up an obstruction. Transmission and clutch entirely enclosed. Separate control for cutting knives and for drive roller. Can be used for separate rolling on tennis courts, etc. Channel steel frame. Flexible for trimming. Large capacity. Riding sulky for the operator.

SPECIFICATIONS

MOTOR: Twin Cylinder 4 cycle.

Horse Power—5 H. P., S. A. E. rating.

Ignition—Bosch high tension magneto.

Carburetor—Tillotson. Automobile type.

Lubrication—Force feed lubrication with pump.

Bearings—Crank shaft and transmission shaft carried on Roller Bearings.

Cooling—Water cooled with radiator and fan.

TRANSMISSION: Self - adjusting, automobile type cone clutches, Roller chain drive.

SPEED: Governor control. (Maintains constant comfortable walking speed and supplies

sufficient power for the load under all conditions).

CUTTING UNIT: Demountable 5 blade revolving cutter, blades oil tempered.

HEIGHT OF CUT: $\frac{3}{8}$ inch to 2 inch.

WIDTH OF CUT: 25 inches (60 inches when gang units are attached).

CUTTING CAPACITY: 4 to 6 acres combined mowing and rolling per day. (Gang attachment increases mowing capacity to from 10 to 12 acres per day.)

LUBRICATION: Alemite-Zerk grease gun.

WEIGHT: Net 380 lbs. Crated 500 lbs.

This mower is designed for heavy work. Has a powerful twin cylinder motor which develops 5 Horse Power. By attaching two gangs to this machine you can cut 60 inches at a through, covering 10 to 12 acres per day, or with a single machine 46 inches. 25 inch cut, \$325.00. Complete with gangs, 60 inch cut, \$385.00.

PLANET JUNIOR GARDEN TOOLS

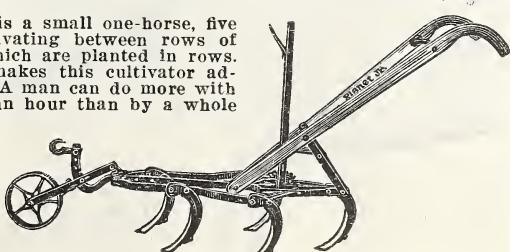
We carry a full line of Planet Jr. tools. Send for catalogue and prices of complete line.

THE NO. 26 PLANET JR. DRILL SEEDER for all soils. Can be used on muck soils. A new drill which has been out three years and found to be very practical for field work. Wide tread wheels, front and rear not only make it easier running, but covers more evenly. Has a protected shaft drive, 4-quart hopper, adjustable scrapers, marker adjustable to 20-inch row. Price, \$20.00. Freight or Express prepaid.

NO. 101 D PLANET JR. CULTIVATOR is a small one-horse, five shovel cultivator. Is very useful for cultivating between rows of potatoes, corn or vegetables of any kind which are planted in rows. It has a long steel lever expander which makes this cultivator adjustable from 12 inches to 36 inches wide. A man can do more with one of these cultivators with one horse in an hour than by a whole day's work with a hoe or push cultivator.

The No. 101 is simple, strong and easier handled and has so few wearing parts that it will give years of service with an occasional replacement of teeth. Equipped with five 3x8 inch steel cultivator shovels, weight 46 lbs.

Price, 101 D., no wheel, \$9.50, express paid to your station.



OUR SPECIAL HORSE DRAWN CULTIVATORS

Made in Peoria. Same as cut with expanding lever, five shovels, \$8.00. Same with seven shovels, \$9.00. Same except no wheel, with five shovels. Our best seller and bargain at \$7.50.

LAWN AND GARDEN ACCESSORIES

Small tools which cost little, but are very useful.

Excelsior Weeder for loosening up soil, or to kill young weeds in flower beds and small plants. **Price 15c.**



Asparagus Knife. Very good to cut dandelions or other weeds out of the lawn. Good steel blade. **Price 35c.**



No. 809 Garden Trowel. All steel one piece trowel. **Price 25c.**



No. 217 Wood Handle Garden Trowel. Big narrow blade. **Price 20c.**



No. 400 Four tine, short handle hand fork. **Price, 25c.**



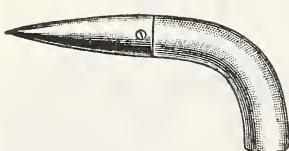
No. 5406 Lopping Shears. For trimming trees, bushes and heavy shrubbery. Length 20 inches. **Price \$1.50.**



No. 102 Hoes. Short handle, round pointed. **Price, 30c.**



No. 218 Dibble or planting peg. Bent wood handle with steel point. Used for making holes to set plants. **Price 70c.**



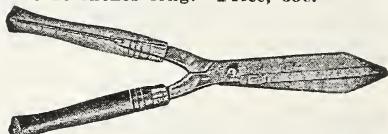
No. 8105 Garden Trowel. Steel shank and blade. Length 12 in. **Price 40c.**

No. 8106, not shown, but something exceptionally strong and is 18 inches long. **Price, 60c.**



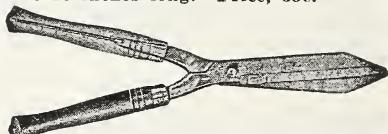
No. 8125 Hand Garden Fork. For spading around small shrubs and plants. Fork and shank one piece steel. Length 14 inches. **Price, 50c.**

No. 8126 Fork, not illustrated, same as above but 18 inches long. **Price, 65c.**

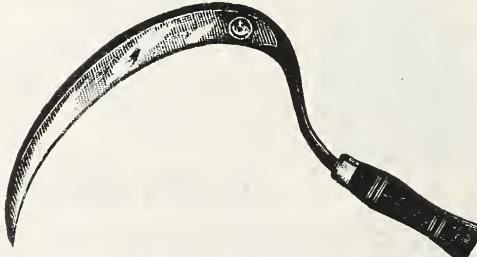


No. 207 Hedge Shear. 6 inch blade. **Price, \$1.25.**

No. 201 Eight Inch Cutting Blade Hedge Shear. Same as above but longer blade. **Price, \$1.75.**



No. 5614 Grass Hooks. Best of steel. Correct design for quick, easy cutting. **Price, 60c.**



PERFECTION LAWN EDGER

This is a very useful tool, which you have wanted for a long time. Ragged sidewalk edges are not necessary. With one of these tools you can quickly clean up the sidewalk edge with little effort. **Price, \$1.50 each.**



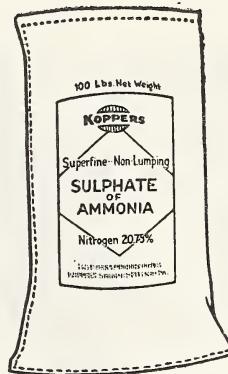
Note the scissors-like cutting edge

Koppers Velvet Lawn Fertilizer

(Sulphate of Ammonia)

Feeds the grass, starves the weeds. Sulphate of Ammonia is nothing more or less than nitrogen extracted from coal. Sulphate of Ammonia contains over 20% pure nitrogen, one of the most essential plant foods. Koppers Velvet Lawn Fertilizer holds in check the worst lawn weeds, plantain, buckhorn, dandelion, crab grass and chick weed. It is odorless, clean and free from weed seeds. Will not injure hands or clothing.

In most experimental work, nitrogen only has been shown to be consistently profitable, and when only one element is to be applied to the commercial orchard, that element is usually nitrogen. To apply, begin spreading out from 3 to 4 feet of trunk and spread to the outside branches. Use 3 to 5 pounds for young bearing apple trees, and 4 to 6 pounds for a tree 25 years old. 5 lb. can, 65c; 10 lb. bag, \$1.25; 25 lb. bag, \$2.00; 100 lb. bag, \$4.50; Special prices on larger quantities.



Flower Seeds in Bulk

We have had so many calls for flower seeds in bulk, that we have put in a stock of good California grown flower seeds of standard varieties. Only the best varieties listed. We put these up in any size packages, but list the sizes most sold.

Sweet Peas, Spencer's exquisite blend, 10c per package, 15c per oz.

Sweet Alyssum, 10c per package.

Callospis, tall mixed, $\frac{1}{2}$ oz. 10c; oz. 15c.

Callospis, dwarf mixed, $\frac{1}{2}$ oz. 10c; oz. 20c.

Cosmos, extra early, double crested, mixed, per packet 10c.

Delphinium, light blue, packet 10c.

Hollyhocks, Chatteris, double exquisite mixed, packet 10c.

Larkspur, tall branching, light rose, packet 10c.

Larkspur, lilac, packet 10c.

Larkspur, choice mixed, packet 10c.

Marigold, tall mixed, packet 10c.

Marigold, French Dwarf, double striped, packet 10c.

Mignonette, Allen's Defiance, packet 10c.

Nasturtium, dwarf, fancy mixed, dark leaf variety, 15c per oz.

Nasturtium, tall variegated mixed, 10c per oz.

Nasturtium, California Giant, special mixed, 15c per oz.

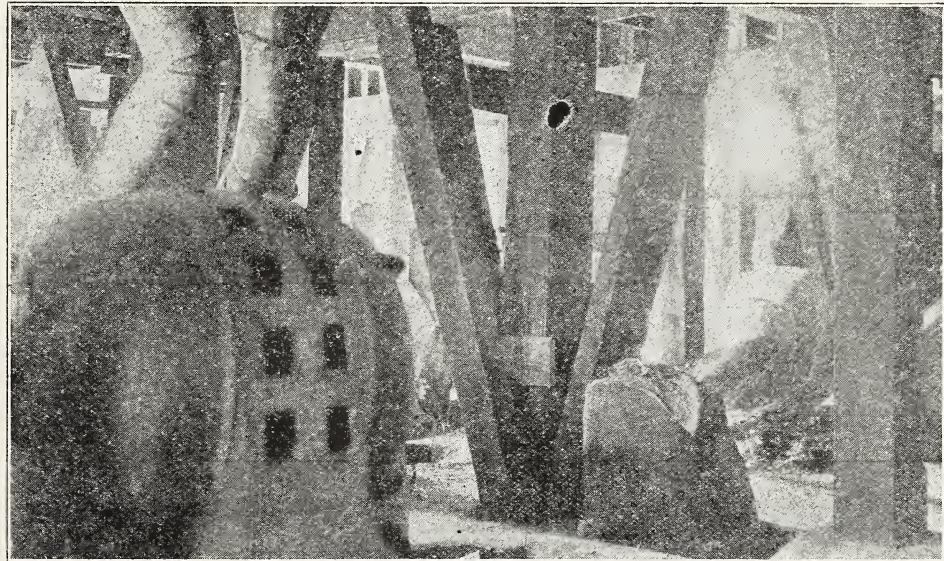
Poppies, exquisite mixed, 10c per package.

Verbena, blue shades, 10c per package; Mammoth choice mixed, 10c per package.

Petunia, exquisite mixed, 10c per package.

Petunia, Rosy Morn, 10c per package.

Petunia, Red, 10c per package.



This picture shows the first floor of our new seed house, cut off which you see on the front page of the catalog. This gives you an idea of how strong the building has to be when it goes up almost 100 feet high and is filled with seed. These timbers are all White Oak, over 40,000 feet of White Oak being used in this building, in addition to over 100,000 feet of Pine lumber. These posts are 10 by 10 square, braces are 3 by 12. Over 2200 bags of cement were used in the foundation of this building.

You will notice in the foreground the large 75 horse power motor, which is directly connected to a Gruendler Hammer Mill. More electricity is used in this building, than is used by all the balance of the town. We do all work possible by electricity, thereby cutting down the costs of cleaning and preparing seeds.

Why Inoculate

Nitrogen is the most expensive plant food a plant uses. The commercial cost is \$1.00 per lb. 90% of the air is nitrogen, but to get it so a plant can use it is the proposition. Any legumes, such as clovers, alfalfa, soy beans, and cow peas, cannot use nitrogen in a free state, but must have it in the form of nitrates, and this is where inoculation comes in.

These legumes cannot collect this nitrogen from the air only by the aid of bacteria, which lives on their roots. Inoculation is simply supplying these bacteria. These little bugs gather nitrogen from the air by the aid of the plants, and store it in the nodules on their roots, changing the free nitrogen into nitrates, the only form by which a plant can use nitrogen.

These bacteria change free nitrogen into nitrates for the plant to use. The plant changes these nitrates into protein, (another form of nitrogen) which is the highest priced food element the farmer must supply. Protein is as necessary to a man as to a beast, so you can see the quality of our food is determined by what these little bacteria do.

While 90% of the air is nitrogen, it is one of the most elusive elements. Its nature is to fly apart or separate in very small particles. This is why Nitro-glycerine is so deadly explosive. Only a small amount will blow a house to atoms.

We spent millions in the Muscle Shoals project during the war time to supply nitro for war purposes.

Be sure to inoculate all legumes. The cost is small. The results are one hundred fold. Use McQueen's New Dust Cote, which contains millions of these necessary little helpers.



SOYBEAN NODULES Formed by McQUEEN'S Inoculator

Sulphate of Ammonia for Orchards

This has proven to be the best fertilizer for both apple and peach orchards. Some of the Southern Illinois orchardists are buying Sulphate of Ammonia by the car load. Two pounds of Sulphate of Ammonia will cover 500 square feet of lawn. Ten pounds is equivalent to 400 pounds of manure. Koppers Velvet Lawn is best for lawns, golf courses, truck gardens, small fruit orchards, house plants, shrubs, shade trees, and wherever quick, luxurious vegetation is wanted. Koppers Velvet Lawn is packed in 2 lb. cartons: Price 35c; 5 pound cannisters, 65c; 10 pound bags, \$1.25; 25 pound bags, \$2.00; 100 pound bags, \$4.50. Write for prices on larger quantities.

Terms Strictly Cash.

All seeds are sold on a strictly cash basis. We deal with thousands of customers all over the United States, most of them strangers to us, so you see this is the only way we can do business. When we buy seed, we pay cash, often in advance. We figure only a very small margin of profit on seeds, so we can not take any risks, or charge extra for bad accounts. Our sales costs are all figured on a strictly cash basis. Send draft, express or money order, or for your convenience, send your personal check. We will also send shippers order and draw on your bank, allowing you to first inspect seed before you pay for it. Be sure to give us the name of the bank through which you want us to draw. All seeds are sold F. O. B. San Jose, or Peoria, Illinois. Seeds go at a low freight rate, and the costs will not be much. If you want a delivered price, please write us, and we will quote you F. O. B. your station.

Bags For Shipping

We do not expect to make a profit on bags used in shipping seeds. Most of them are put in at cost or less. If we had to furnish but a few bags, we could do this free, but it costs us around \$5,000 a year for bags in which to ship seed. Bags are furnished by some with the seed, but they must be added to the cost of the seed, and often times you have bags which you can send by parcel post or express, and save paying for new bags.

We are always glad to use your bags if they are free of holes, and in good condition. Too many times we have received old bags that are not fit to ship seeds in, sent to us to ship Clover or Alfalfa seed, which is worth 20c to 40c per pound. One pound of seed being worth more than the cost of the new bag.

With wheat, barley, clovers, alfalfa, timothy, and other small seeds, we make a charge of 35c for heavy cotton bags holding 2½ bushels. Soy beans are shipped in both cotton and burlap bags. Oats are shipped in bags which hold 4 bushel each, and for each we make a charge of 15c. We furnish bags free with Grimm or Dakota No. 12, where put up in sealed bags.

Bags are weighed in at no extra cost with seed corn. Burlap bags for soy beans and cow peas, holding 2 bushel, are charged at 10c each. Please do not forget to send money for bags.

More About Soy Beans

Some valuable information as given out by Prof. J. C. Hackleman of the University of Illinois, who no doubt is one of the best posted men on soy beans in the United States.

In 1928 there was about 10,000,000 bushel of soy beans grown in the United States, 185,000 bushel of which over one-sixth of the total amount being grown in Illinois. Indiana, Ohio, Missouri, and North Carolina being the other largest growers. These five states showed an increase of 30% in acreage last year. Oklahoma, while not a heavy producer, showed an increase of 64%, Iowa showed 35% and Louisiana 31%. Of the highest yielding varieties, the Illini proved to be the best of any. Dunfield, Mansoy and Manchu were others which were high in yields.

The best time to plant soy beans is found to be from the 10th to the 15th of May. Yields going lower as later plantings were made. At Ohio University some of the high yields were made by planting April 15th to 20th, and on Peking varieties as early as April 10th. It was found that beans planted on May 11th grew to an average height of 26 inches. Same varieties planted on June 25th, the average height was only 14 inches.

Soy beans drilled in rows 24 inches apart gave the highest yield. By drilling in rows 55 to 60 pounds of seed should be used per acre, spacing the beans about 2 inches apart in the row. For drillings in rows 7 inches wide, the rates of seeding were used from $1\frac{1}{2}$ bushel to 4 bushel, but the highest yields were produced by the use of 2 bushel per acre.

Inoculation and Influence of Soy Beans Upon Succeeding Crops

By Dr. O. H. Sears, Farmers Short Course, University of Illinois.

The more soy beans or any legumes are grown, the easier they are to grow. Inoculation of soy beans has a determining effect on succeeding crops. The soy bean or any legume has very little power to add any nitrogen to the soil without the use of bacteria. No reasonable amount of nitrogen can be put in the soil by a legume unless nodules are present. Soy beans not inoculated produced 34 bushels to the acre. Inoculated soy beans produced 46 bushels per acre, an increase of 12 bushels per acre by inoculation. Inoculation not only increased the yield 12 bushels, but increased the protein content almost 20%.

Soy beans secure about two-thirds of their nitrogen from the air, and about one-third from the soil. In soy beans nine-tenths of the nitrogen is in the top, whereas one-tenth is in the roots. Inoculation of soy beans not only increases the yield, and increases the protein content in the seed or hay, but also effects the life of the soil, thereby putting it in much better condition for the succeeding crop.

Inoculated soy beans increases the available nitrogen in the soil the first year 27% the second year showed 17%, the third year showed 13% remaining. Soy beans increases the soil's life, showing 14,500,000 bacteria the first year, 11,000,000 the second year, and 9,500,000 the third year, per square foot.

Results of corn following timothy 40 bushel per acre, corn following clover 56 bushels per acre, and corn following soy beans 57 bushel per acre.

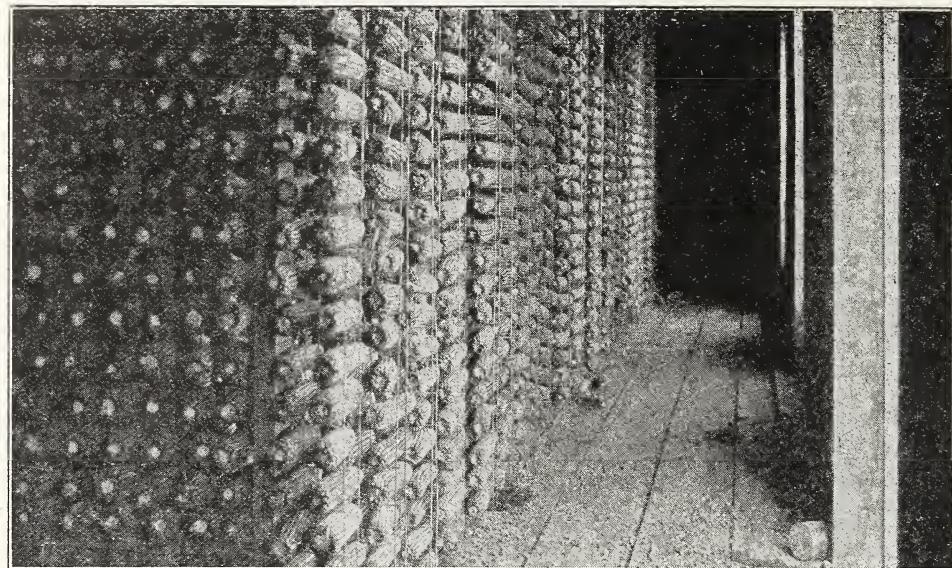
It was found that where wheat was grown after soy beans, the yield could be greatly increased by the use of phosphate. Wheat following soys without phosphate yielded 22 bushel per acre. Wheat following soys with phosphate 30 bushel per acre.

Other Items of Importance on Soy Beans

The average cost of growing soy beans using a binder and thresher for harvest, \$1.05 per acre. The cost of growing soy beans and combining \$1.05 per acre.

One bushel of soy beans has as much digestible protein as $4\frac{1}{2}$ bushels of barley, as much as 5 bushels of No. 3 corn and 6 bushels of No. 2 oats. Soy bean hay can best be used as a feed for stock. It is especially good for milch cows, on account of the high protein and lime content, which is necessary in the production of milk. $2\frac{1}{2}$ tons of soy bean hay contains as much protein as 1500 pounds of linseed meal, and as much protein as $1\frac{1}{2}$ tons of bran. The leaves contain most of the food value, which makes it very essential that soy bean hay be handled in such a way as to save the leaves. At \$1.40 per bushel, one bushel of soy beans produces digestible protein at a cost of 5% per pound, the lowest possible cost for protein. Soy bean meal equals oil meal in protein content, and for feed.

The best time to cut soy beans for hay is by holding the pod up between the sun and see if the beans touch each other in the pod. At this time you get better feed than at any other time. One bushel of soy beans produces about one gallon of soy bean oil. Inoculated soy beans produced 3625 pounds per acre. Soy beans not inoculated produced 1938 pounds per acre. A gain at a cost of 75c for inoculation of 1687 pounds of hay in addition to the increase of protein content. An increase from 321 pounds of protein to a ton to 392 pounds, the increase being 71 lbs. The total increase for 75c invested for inoculation was 1687 pounds of hay and 71 pounds of protein per ton.



Corn stored in racks like these in a warm furnace heated room is not damaged by twenty degree below zero weather. Each rack holds 800 ears, the best method of storing corn.

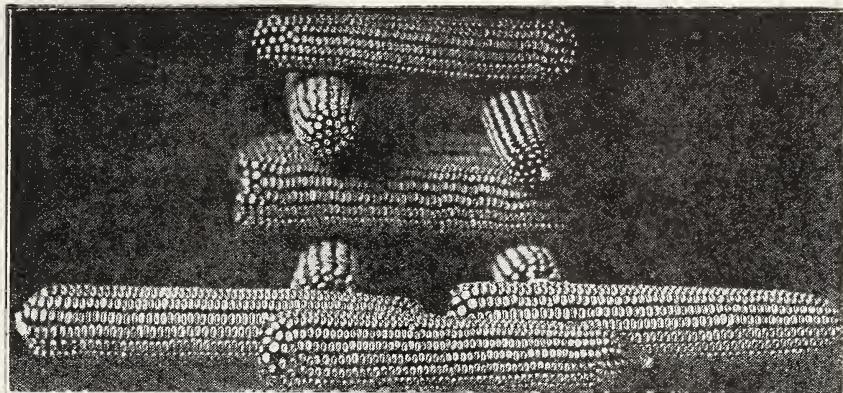
January 18th, 20 Below Zero Corn Killed

If your corn was hanging out in a shed, crib or barn on this date where it had absorbed moisture from the dampness of several days of cloudy, rainy weather without fire, it will show very poor germination or none at all. Corn even if dried in the fall will rapidly absorb moisture from the air. With 17% or more moisture, 20 below will ruin it for seed. It may show a fair germination, but the vitality will be so low that it will not produce a high yielding crop. Do not take a chance on poor seed corn for 50c to 60c per acre. Early sack picked (all our corn picked in October except one day in November), corn has been stored where an even furnace heat was maintained, showing a germination of 95% is really worth \$10.00 per bushel or more to plant. The increased yield will more than pay this amount, which would be less than 2 bushel per acre.

We have often seen an increase from 5 to 20 bushels by the use of good seed corn. Our price of around \$4.00 in 10 bushel lots is very low. Some are asking \$6.50 for sack picked corn. Corn prices are subject to change any day. Order today. Send a deposit of 50c per bushel and we will hold until as late as April 15th.

More Reasons Why Our Prices Are Lower

We buy seed direct from the growers. We sell them to you at a small profit. Most of our storing, cleaning, and preparing of seeds for sale is done at San Jose, a small town where costs are much lower than in the city. Our corn, wheat, oats, barley, soy beans, and cow peas are mostly all grown here, and delivered directly to our seed house with but little expense. We operate a mill and use much of the cracked seed grains and good screenings for feed. These are recleaned, and only the weed seeds and dirt is the loss. We have the very best of machinery, so arranged that we handle seed at a low cost. One man alone can clean a thousand bushels of soy beans or wheat in a day, not having to handle a single pound of the cleaned seed. The seed business is a seasonable business, and where a firm handles only seed, this leaves several months out of the year with but few sales. With us, we have other lines of business which helps carry the expense throughout these dead seasons.



Krug Corn

Our best variety of early corn. This year in Stark County it outyielded all strains of hybrids and other varieties. The same held true in Iroquois County, showing a yield of over 7 bushel per acre more than the best hybrid corn.

We recommend it for use in all sections from 15 miles south of Pekin to the Wisconsin state line. Our Krug will mature with an average season and on good soil as far north as Wisconsin.

Last year one of our customers in the Northern part of Peoria County planted four bushel of our Krug corn. He bought one bushel of Krug from another seed house 45 miles north of Peoria. Both lots were planted in the same field, and at the same time. In his own words, he says, "Some have been saying that corn grown at San Jose will not mature up here, but I found your corn matured at the same time as the other Krug, and made more bushels of corn. Your corn was better eared than the other Krug."



Seed Treatment Pays



We know seed corn treatment pays, but to prove this we give you results from Iowa State Agricultural College for 1929.

Dust was used on 22 co-operative farms in all parts of the state of Iowa. Sections which gave the largest returns were the southeast and southwest where cool, wet weather caused much mold. The lowest returns came from the Northwest sections of the state where the temperature varied, but the weather was not excessively wet. The average yield of the dusted corn, was 59.5, and the untreated was 55 bushels per acre, showing an increase of 4½ bushels per acre for the cost of seed treatment, which is only 4¢ per acre.

From an experience on the farm of Mr. John Godel, Iroquois County, Illinois, taken from the January issue of the Iroquois Farm Bureau Service News showed not only the advantage of dust treatment, but in the yield of Krug corn.

Krug treated yielded 64.21 bushels per acre. Krug untreated, 62 bushels per acre.

Hodel's own selection, treated 65.35 bushels per acre. Hodel's own selection, untreated 57.21 bushels per acre.

Funk's Hybrid No. 176A, 57 bushels per acre. Funk's Hybrid No. 365, 51.23 bushels per acre. You will note the difference of over 7 bushels per acre extra yield in favor of Krug corn. Two bushels extra yield from Krug corn, over that which was not treated, at a cost of 3¢ per bushel. You will also notice Hybrid corn fell considerably below the Krug.

Price of Semesan Jr., one pound \$1.75, treats 8 bushels; 5 pounds \$8.75, treats 40 bushels. All orders of 2 pounds or more we send by express prepaid, but better still, include with your other orders which will go by freight.

We treat seed corn bought of us for 80¢ per bushel extra. If you want seed corn treated, please specify and include 30¢ per bushel for material and work. Remember this treatment will increase yields, from 2 to 5 bushels per acre at a cost of less than 2¢ per bushel. This increase more than pays the entire cost of seed.

MONTANA
GROWN
GRIMM
ALFALFA
SEED

KELLY'S
SEEDS GROW

HIGH PURITY
and GERMINATION
KELLY SEED &
HARDWARE CO.
Peoria-San Jose
Illinois

HARDY
UTAH GROWN
ALFALFA
SEED

KELLY'S
SEEDS GROW

HIGH PURITY
and GERMINATION
KELLY SEED &
HARDWARE CO.
Peoria-San Jose
Illinois

MINNESOTA
GROWN
ALSIKE CLOVER
SEED

KELLY'S
SEEDS GROW
HIGH PURITY
& GERMINATION
KELLY SEED &
HARDWARE CO.
Peoria-San Jose
Illinois

HARDY
NORTHWESTERN
GROWN
RED CLOVER
SEED

KELLY'S
SEEDS GROW
HIGH PURITY
and GERMINATION
KELLY SEED &
HARDWARE CO.
Peoria-San Jose
Illinois

DAKOTA
GROWN
SWEET CLOVER
SEED

KELLY'S
SEEDS GROW
HIGH PURITY
& GERMINATION
KELLY SEED &
HARDWARE CO.
Peoria-San Jose
Illinois

Good seeds are the most essential requisite for a good crop. We handle only the very best hardy varieties, and no western grown seeds. Seeds can be purchased much cheaper and freight rates are much lower in the South, but they are not adapted to our section, and so we do not even handle them. When you buy seeds, you buy for results. We are in a position to furnish you the very best at the lowest possible cost.

Kelly Seed and Hardware Company

116-18 South Washington Street

Peoria and San Jose, Illinois